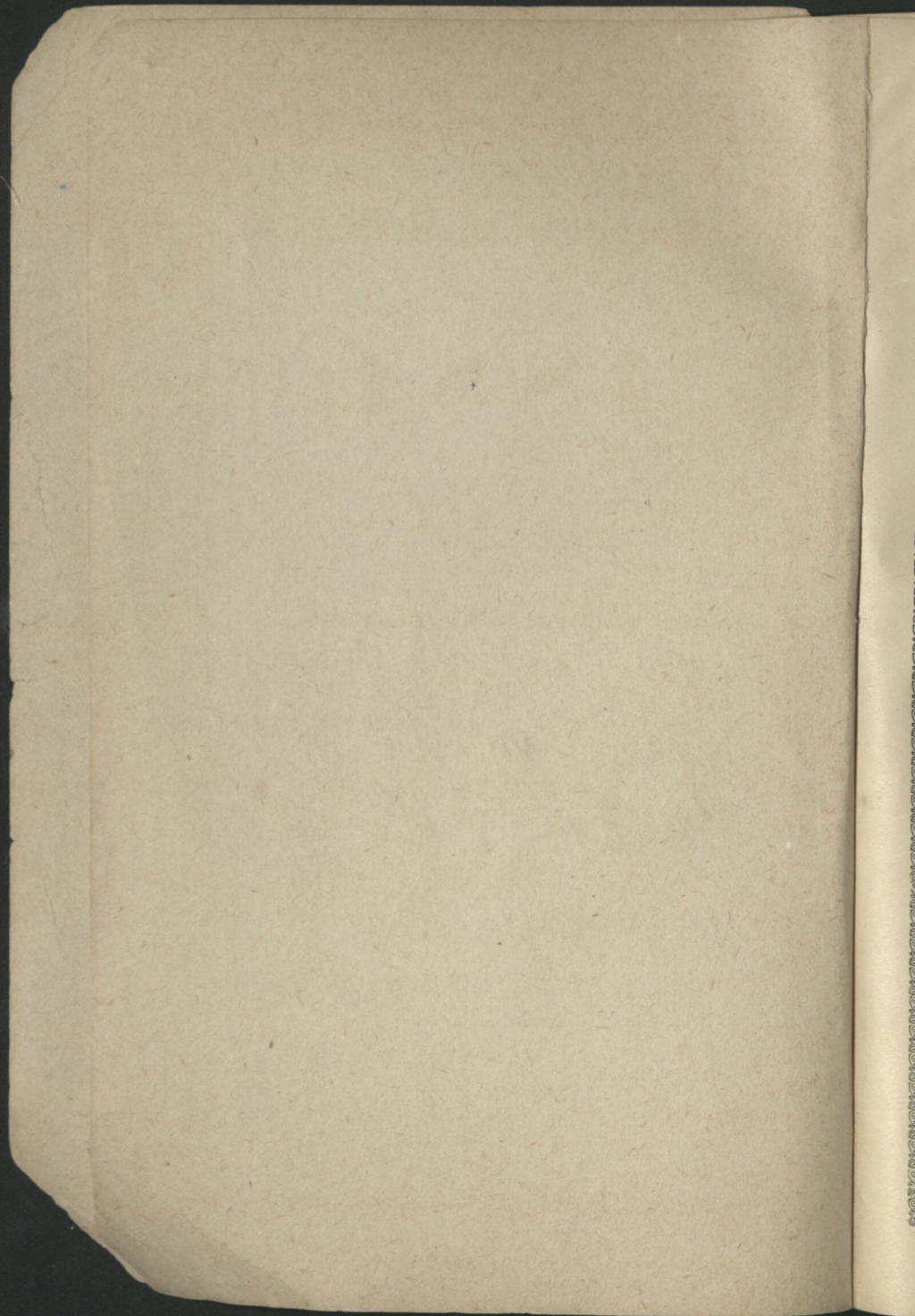


Mr J. W. Blapp -
With respect of
M. A. Folger
1884

Some Deaths noted in the different
months, on Blau's leaves

One year I did not
receive an almanack
(I think) at any date
one is missing - I saw this
because of names recorded
of Deceased Persons



Number Ninety-Two.

THE
(OLD)
FARMER'S ALMANACK,
CALCULATED ON A NEW AND IMPROVED PLAN.
FOR THE YEAR OF OUR LORD

1884;

Being BISSEXTILE or LEAP-YEAR, and (until July 4) 108th of American Independence.

FITTED FOR BOSTON, BUT WILL ANSWER FOR ALL THE NEW ENGLAND STATES.

Containing, besides the large number of Astronomical Calculations and the Farmer's Calendar for every month in the year, a variety of

NEW, USEFUL, AND ENTERTAINING MATTER.

ESTABLISHED IN 1793,

BY ROBERT B. THOMAS.



This world, with all its band
Of clamorous joys and griefs, shall be to me
A bridge, whereon, my pilgrim-staff in hand,
I cross the stream of time, O Lord, to Thee.
J. F. EICHENDORF.

BOSTON:

PUBLISHED BY WILLIAM WARE & CO.

Sold by the Booksellers and Traders throughout New England.

[Entered, according to Act of Congress, in the year 1883, by WILLIAM WARE,
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TO PATRONS AND CORRESPONDENTS.

ONCE more the earth has rolled through its vast annual journey, and again we offer to the friends and patrons of the Almanack our kindly greetings for the New Year.

In spite of drought and flood, of storms and hurricanes, we have an abundant harvest, and peace and prosperity reign in our borders.

Let us not forget to lay the foundations of a lasting prosperity broad and deep, by education, by justice, by the spread of the great principles of morality and religion.

We have to thank our friends and correspondents for their favors, and to request that they will continue to oblige us with their suggestions. We close in the words of the founder of this Almanack:—

"It is by our works and not by our words we would be judged: these we hope will sustain us in the humble though proud station we have so long held. . . ."

Wm. B. Thomas.

1884.

CALENDAR.

1884.

JANUARY.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..

FEBRUARY.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	..

MARCH.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

APRIL.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..

MAY.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..

JULY.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..

AUGUST.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

SEPTEMBER.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..

OCTOBER.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..

NOVEMBER.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

DECEMBER.

Su.	Mo.	Tu.	We.	Th.	Fri.	Sat.
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..

ECLIPSES FOR THE YEAR 1884.

THERE will be five Eclipses this year, three of the SUN and two of the MOON.
 I. A PARTIAL ECLIPSE OF THE SUN, March 27, invisible in the United States, visible in the vicinity of Hudson's Bay.

II. A TOTAL ECLIPSE OF THE MOON, April 10, partly visible at Boston, as follows:— Eclipse begins 4h. 19m. A.M.

Total phase begins 5h. 27m. A.M., just before the moon sets.

III. A PARTIAL ECLIPSE OF THE SUN, April 25, invisible in the United States; visible in the Southern Pacific Ocean.

IV. A TOTAL ECLIPSE OF THE MOON, Oct. 4, partly visible in Boston, as follows:— Moon rises partly eclipsed; eclipse ends 6h. 16m., P.M.

V. A PARTIAL ECLIPSE OF THE SUN, Oct. 18, invisible in the United States; visible in western Europe and Asia.

CHRONOLOGICAL CYCLES FOR 1884.

Dominical Letters . . . F E	Lunar Cycle or Golden Number } . . . 4	Roman Indiction . . 12
Epaet . . 3 | Solar Cycle 17		Julian Period . . 6597

MOVABLE FEASTS AND FASTS FOR 1883.

Septuagesima Sund., Feb. 10	Good Friday, April 11	Whit-Sunday, June 1
Shrove Sunday, " 24	Easter Sunday, " 13	Trinity Sunday, " 8
Ash Wednesday, " 27	Low Sunday, " 20	Corpus Christi, " 12
First Sund. in Lent, Mar. 2	Rogation Sunday, May 18	Advent Sunday, Nov. 30
Palm Sunday, Apr. 6	Holy Thursday, " 22	

PLANETS. - 1884.

JANUARY.			MAY.			SEPTEMBER.		
Venus ♀	sets	d. h. m.	♂	sets	d. h. m.	♀	rises	d. h. m.
Mars ♂	rises	4 6 41 P.M.	♂	sets	4 30 58 P.M.	♀	sets	5 1 54 A.M.
Jupiter ♃	rises	18 4 56 P.M.	♂	sets	12 1 10 A.M.	♂	sets	11 7 41 P.M.
Saturn ♄	sets	26 2 59 A.M.	♂	sets	18 11 40 P.M.	♂	rises	19 3 2 A.M.
			♂	sets	25 7 50 P.M.	♂	rises	25 9 48 P.M.
FEBRUARY.			JUNE.			OCTOBER.		
♀	sets	d. h. m.	♂	sets	d. h. m.	♀	rises	d. h. m.
♂	sets	4 8 0 P.M.	♂	sets	4 10 24 P.M.	♀	sets	5 2 14 A.M.
♂	sets	12 6 48 A.M.	♂	sets	11 11 43 P.M.	♂	sets	11 6 36 P.M.
♂	sets	19 5 21 A.M.	♂	sets	18 9 55 P.M.	♂	sets	19 1 32 A.M.
♂	sets	26 1 0 A.M.	♂	rises	26 3 19 A.M.	♂	rises	25 7 49 P.M.
MARCH.			JULY.			NOVEMBER.		
♀	sets	d. h. m.	♂	sets	d. h. m.	♀	sets	d. h. m.
♂	sets	4 9 7 P.M.	♂	sets	4 7 58 P.M.	♀	sets	5 3 7 A.M.
♂	sets	12 4 33 A.M.	♂	sets	11 10 21 P.M.	♂	sets	11 5 56 P.M.
♂	sets	19 3 23 A.M.	♂	sets	18 8 16 P.M.	♂	sets	18 11 51 P.M.
♂	sets	25 11 16 P.M.	♂	sets	26 1 38 A.M.	♂	rises	25 5 40 P.M.
APRIL.			AUGUST.			DECEMBER.		
♀	sets	d. h. m.	♂	rises	d. h. m.	♀	rises	d. h. m.
♂	sets	4 10 17 P.M.	♂	rises	5 2 49 A.M.	♀	sets	5 4 13 P.M.
♂	sets	12 2 40 A.M.	♂	sets	11 8 58 P.M.	♂	sets	11 5 20 P.M.
♂	sets	19 1 25 P.M.	♂	rises	19 4 30 A.M.	♂	rises	18 10 1 P.M.
♂	sets	25 9 30 P.M.	♂	rises	25 11 47 P.M.	♂	sets	26 6 18 A.M.

MORNING AND EVENING STARS.

Venus will be Evening Star till July 11, then Morning Star the rest of the year.
 Mars will be Morning Star till February 1, then Evening Star the rest of the year.
 Jupiter will be Morning Star till January 19, Evening Star till Aug. 7, then Morning Star the rest of the year.
 Saturn will be Evening Star till June 3, Morning Star till December 12, then Evening Star the rest of the year.

MERCURY. — The most favorable time for seeing Mercury in 1884 will be about Jan. 4, April 25, August 23, Dec. 17, in the West, after sunset, and Feb. 13, June 12, October 5, in the East, before sunrise.

NAMES AND CHARACTERS OF THE PRINCIPAL PLANETS.

☉ The Sun.	♀ Venus.	♂ The Earth.	♂ Uranus.	♂ Juno.
☾ The Moon.	♂ Mars.	♂ Saturn.	♂ Neptune.	♂ Pallas.
☿ Mercury.	♂ Jupiter.	♂ Vesta.	♂ Ceres.	

NAMES AND CHARACTERS OF THE ASPECTS.

♂ Conjunction, or in the same degree.	♂ Opposition, or 180 degrees.
* Sextile, 60 degrees.	♂ Dragon's Head, or Ascending Node.
✧ Quartile, 90 degrees.	♂ Dragon's Tail, or Descending Node.
△ Trine, 120 degrees.	

NAMES AND CHARACTERS OF THE SIGNS OF THE ZODIAC.

1. ♈ Aries, head.	5. ♍ Leo, heart.	9. ♐ Sagittarius, thighs.
2. ♉ Taurus, neck.	6. ♏ Virgo, belly.	10. ♑ Capricornus, knees.
3. ♊ Gemini, arms.	7. ♏ Libra, reins.	11. ♒ Aquarius, legs.
4. ♋ Cancer, breast.	8. ♏ Scorpio, secrets.	12. ♏ Pisces, feet.

COLLEGES, PROFESSIONAL, AND NORMAL SCHOOLS IN NEW ENGLAND.

(Corrected Sept., 1883.)

Colleges.

BATES, LEWISTON, ME. 3 tms. Beg. 6w. fm Tu. bef. Thank., 1st Tu. Apr., '84. Tu. Aug. Com. Th. aft. last We. June.

BOWDOIN, BRUNSWICK, ME. Com., 2d Th. July. Vac. 11w. fm Com.; 2w. at Christmas; 1w. in Spring.

COLBY UNIVER., WATERVILLE, ME. Com. 1st Wed. July; vac. 9w. fm Com., 1 w. fm last We. Nov., 6w. fm last We. Jan.

MAINE WESLEYAN SEM. and FEM. COLL., KENT'S HILL, ME. 3 tms., 13w. each. Beg. 3d Tu. Aug., 1st Tu. Dec., 2d Tu. Mar.

DARTMOUTH, HANOVER, N.H. Com. last Th. June; vac. 9w. after.

N.H. CONF. SEMINARY and FEMALE COLLEGE, TILTON, N.H. Tms. begin Mar. 19, Aug. 27, and Dec. 3.

LEWIS COLLEGE, NORTHFIELD, VT. Year beg. 2d Th. Sept.; closes 3d Th. in June.

MIDDLEBURY, MIDDLEBURY, VT. Tms. beg. Jan. 3, Apr. 11, Sept. 12, '84.

UNIVERSITY OF VT., and STATE AGRICULT. COLLEGE, at BURLINGTON. Com. last Wed. June; vac. fm Com. 10w.—fm Wed. bef. Christmas 2w., and 2w. fm close of Spring tm.

VERMONT METH. SEMINARY and FEMALE COLL., MONTPELIER, VT. Tms. beg. Dec. 10, '83, Mar. 24, Aug. 25, '84.

AMHERST, AMHERST, MASS. 3 tms. Beg. Jan. 3, Apr. 11, and Sept. 11.

BOSTON COLLEGE, BOSTON, MASS. 2 tms. Beg. 1st Mo. Sept. and Feb.

BOSTON UNIVER., BOSTON, MASS.—COLL. OF LIBERAL ARTS. 3 tms. 1st beg. Sept. 20, '83; 2d beg. Jan. 2, '84; 3d beg. Mar. 19, '84. COLL. OF MUSIC.—2 tms. 20w. each; 1st beg. Sept. 13, '83; 2d beg. Feb. 7, '84.

SCHOOL OF ALL SCIENCES. Post grad. dep't. Tms. same as in Coll. of Lib. Arts.

COLL. OF THE HOLY CROSS, WORCESTER, MASS. Year beg. 1st Wed. Sept., ends last Th. June.

HARVARD, CAMBRIDGE, MASS. Year beg. Th. after last Wed. Sept., ends at Com. last Wed. June; rec. 23 Dec. to Jan. 2, inc., and fm We. bef. Fast to Tu. af. inc.

SMITH COLL., NORTHAMPTON, MASS. (For women.) 3 tms., Jan. 3, Apr. 10, and Sept. 19.

TUFTS COLL., COLLEGE HILL, MASS. A single tm. of 39w. Beg. Sept. 19, '84. Com. 3d Wed. June; vac. 13w.

WELLESLEY COLLEGE, WELLESLEY, MASS. (For women.) 3 tms. 1st tm. beg. Sept. 12, 1884.

WILLIAMS, WILLIAMSTOWN, MASS. Com. 1st Wed. July; vac. 9w. aft. Com., 3 w. fm 3d Tu. Dec., 2w. fm end of 2d tm.

BROWN, PROVIDENCE, R.I. Acad yr. beg. 3d Wed. Sept. Com. 3d Wed. June.

TRINITY, HARTFORD, CONN. 2 tms. 1st beg. mid. Sept., 2d beg. early in Jan. Com. Th. bef. July 4.

WESLEYAN UNIV., MIDDLETOWN, CT. Com. last Th. June, 1883; vac. 11w. fm Com., 2w. at Chris., 1w. in Spring.

YALE, NEW HAVEN, CONN. Com. last Wed. June; vac. 11w. fm Com. 1st

tm. 14w., vac. 3w.; 2d tm till Com. with recess at Easter.

SCHOOL OF THE FINE ARTS (YALE COLL.) Beg. Oct. 1 and ends May 31.

Theological Schools.

THEO. SEM., BANGOR, ME. (Or. Cong.) Anniver. 1st Wed. June; vac. 14w. fm anniv. Exam. for entrance, Sept. 11.

THEOL. DEPART. BATES COLL., LEWISTON, ME. Year same as College.

VT. EPISCO. INST., BURLINGTON, VT. Acad. yr. 40w. fm 1st Th. in Sept.

THEO. SEM. (Orth. Cong.), ANDOVER, MASS. Yr. b. Sept. 6, '83; an. July 19, '84.

BOSTON UNIVER. SCHOOL OF THEOL. (Method.) Yr. beg. Sept. 19, '83.

NEW CHURCH THEO. SC., WALTHAM, MASS. (Swedenborg.) Yr. beg. Oct. '83.

EPISC. THEOL. SCH. at CAMBRIDGE, MASS. Yr. beg. 4th Wed. in Sept.; ends 3d Wed. in June.

NEWTON THEO. INST., NEWTON CENTRE, MASS. (Bapt.) Ann. 2d Wed. June Vac. fm an. to 2d Tu. Sep., and 1w. in Mar.

DIVINITY SCH. OF HARVARD UNIV. Yr. same as that of Harvard College.

TUFTS COLL., DIV. SCHOOL, COLLEGE HILL, MASS. (Univ.) School year same as that of the College.

BERKELEY DIV. SCH. (Epis.) MIDDLETOWN, CT. Beg. Sept. 21, ends abt. Je. 1.

DIV. SCH. OF YALE COLL., NEW HAVEN, CT. (Ortho. Cong.) Year beg. 2d Th. Sept., closes 3d Th. May.

THEOL. INST. OF CONN., HARTFORD. (Ortho. Cong.) Acad. yr. fm 2d Th. Sept. to 2d Th. May.

Medical Schools.

MED. SCH. OF ME., BOWDOIN COLL., BRUNSWICK, ME. Beg. Feb. 7, lasts 16w.

PORTLAND SCH. FOR MED. INS., PORTLAND, ME. 2 tms., beg. June 4, and Oct. 2, 1884.

MED. DEPT. DART. COLL., HANOVER, N.H. Lecture tm. beg. 1st Wed. Aug., cont. 14w. Recitation tm. beg. 1st Wed. Dec., cont. 30w.

UNIV. OF VT., MED. DEP. BURLINGTON, VT. Beg. 1st Th. Mar., cont. 16w.

MED. SCH. OF HARVARD UNIVER., BOSTON. Yr. beg. Th. after last Wed. in Sept., ends last Wed. in June.

BOSTON UNIV. SCH. OF MED. (Homeo.) Open to both sexes. Beg. Oct. 11, '83.

MED. INSTIT. OF YALE COLL., NEW HAVEN, CONN. 1st Th. Oct., till Com., with vac. same of Yale College.

DENTAL SCH., HARV. UNIV., BOSTON. Begins and ends with College year.

BOSTON DENTAL COLLEGE, BOSTON. Prelim. tm. beg. Oct. 5, '83; reg. Nov. 5, '83. Sp. tm. beg. 2d Mo. Apr., '84.

Law Schools.

LAW SCH. OF HARVARD UNIV., CAMBRIDGE, MASS. Year same as College.

BOSTON UNIV. SCH. OF LAW. Beg. 1st Wed. Oct., ends last Wed. May.

LAW SCH., NEW HAVEN, CONN. Yr. beg. Sept. 27, '83; ends June 25, '84.

Scientific and Agric. Schools.

MAINE STATE COLL. OF AGRIC. AND THE MECHANIC ARTS, ORONO, ME. Tms. beg. Feb. 12, Aug. 5. Com. June 25.

CHANDLER SCIEN. SCHOOL, THAYER SCHOOL OF CIVIL ENGINEERING, AND N.H. COLL. OF AGRIC. AND THE MECH. ARTS, HANOVER, N.H. Terms same as those of Dartmouth College.

UNIV. OF VT., BURLINGTON, has also a scientific and agricultural course.

MASS. AGRIC. COLLEGE, AMHERST, Mass. 3 terms. Yr. beg. 2d Th Sept., ends last Wed. June.

MASS. COLL. OF PHARMACY, BOSTON, Mass. Year beg. 1st Mo. Oct., 1883.

BOSTON UNIV. COLL. OF AGRICUL. Terms same as in Mass. Agric. College.

LAWRENCE SCIEN. SCHOOL (HARV. UNIV.), CAMBRIDGE, MASS. The year is the same as that of Harvard Coll.

THE BUSSEY INSTITUTION, JAMAICA PLAIN, MASS. (a school of agriculture and horticulture, in Harv. Univ.). Year same as that of Harvard College.

VETERINARY SCHOOL OF HARVARD UNIV. Year same as that of College.

MASS. INS. OF TECHNOL., BOSTON. Ac. yr. 1. Mo. Sep. to 1st Tu. aft. May 27.

WORCESTER FREE INSTITU., WORC., MASS. Tms: fm last Tu. Aug. to 3d Sat. Jan., and fm 1st Tu. Feb. to last Th. Je.

SHEFFIELD SCIEN. SCHOOL (YALE COLL.), NEW HAVEN, CT. Terms same as those of Yale College.

Normal Schools.

EAST, NORMAL SCH., CASTINE, ME. Tms b. Mar. 11, Aug. 26, and Dec. 9, '84.

GORHAM NORMAL SCHOOL, GORHAM, ME. 2 terms, 20 weeks each. Begin in Feb. and Sept.

WESTERN NORMAL SCH., FARMINGTON, ME. Tms beg. Feb. 19, and Aug. 27.

STATE NORMAL SCH., PLYMOUTH, N.H. 2 tms. Beg. Aug. 28, 1883, and Feb. 5, 1884. Each term 20w.

STATE NORMAL SCH., CASTLETON, VT. 2 tms: beg. 3d Tu. Feb., 4th Tu. Aug.

STATE NORMAL SCH., JOHNSON, VT. Tms, 20w.; beg. 1st Tu. Sept., 2d Tu. Feb.

STATE NORMAL SCH., RANDOLPH, VT. Tms beg. Feb. 12 and Aug. 26.

NORMAL SCHOOLS OF MASSACHUSETTS. The year is divided into 2 terms of 20 weeks each, including a recess of 1 week near the middle of the term. Vac.

2w. in winter, 10w. in summer. Exam. for admission at the beg. of each term; which is at Salem, Feb. 12, and Sept. 2;

at Westfield, Feb. 12, and Sept. 2; at Bridgewater, Feb. 13, and Sept. 3; at Framingham, Feb. 11, and Sept. 1; at Worcester, Feb. 7, and Sept. 4.

MASS. NORMAL ART SCHOOL, 1679 Washington St., Boston. Terms begin Feb. 4 and Sept. 3.

R. I. STATE NORMAL SCH., PROV., R.I. 2 tms. Spr. tm beg. Feb. 5, closes June 28. Fall tm. beg. 1st Tu. Sept.

STATE NORMAL SCH., NEW BRITAIN, CONN. Spring and sum. tm beg. Jan. 28, closes June 20; sch. year beg. Sept.

MEETINGS OF FRIENDS IN NEW ENGLAND.

(Corrected Aug., 1883.)

The Yearly Meeting of Friends is held at Newport, R.I., beginning with a meeting on Ministry and Oversight, on 5th day, 6th month (12th), at 9 A.M.

For business, on 6th day (the 13th), at 9 A.M. Public meetings for worship on First day at Newport and Portsmouth, at 10.30 A.M. and 3 P.M. The Yearly Meeting is composed of the Quarterly Meetings of Rhode Island, Salem, Sandwich, Falmouth, Smithfield, Vassalboro', Dover, and Fairfield, held as follows:—

Rhode Island: 1st fifth day, 2d mo., at Providence; 1st fifth day, 5th mo., at East Greenwich; 1st fifth day, 8th mo., at Newport, and 1st fifth day, 11th mo., at Fall River. Salem: 3d fifth day, 1st mo., at Salem; 4th fifth day, 5th mo., at Amesbury; 3d fifth day, 8th mo., at Lynn; 3d fifth day, 10th mo., at Weare. Sandwich: 1st fifth day, 4th and 12th mos., at New Bedford; 2d fifth day, 7th

mo., at Falmouth; and 1st fifth day, 10th mo., at Sandwich, Mass. Falmouth: 7th day before 1st sixth day in 2d and 9th mos., at Windham; 6th mo., at Falmouth; and 11th mo., at Durham. Smithfield: 2d fifth day, 2d month, at Worcester; 2d fifth day, 5th mo., at Northbridge; 2d fifth day, 8th mo., at Bolton; 2d fifth day, 11th mo., at Smithfield. Vassalboro': 2d seventh day in the 2d mo. at Vassalboro'; on the last seventh day in the 5th mo., at China; and on the 2d seventh day in 9th and 11th months, at East Vassalboro'. Dover: 7th day after 1st fifth day, 1st mo., at Rochester; 4th mo., Dover; 8th mo., at North Berwick; 10th mo., at Sandwich, N.H. Fairfield: 7th day before 2d sixth day, in 2d and 9th mos., at Manchester; 7th day before last sixth day, 5th mo., and 7th day before 2d sixth day, 11th mo., at Fairfield.

HOLIDAYS IN NEW ENGLAND.

(Corrected Sept., 1883.)

The following days, in respect to the payment of notes, are legal holidays. On most of them, courts, banks, etc., are closed.

If the day falls on Sunday, the day following is usually kept as a Holiday.

Thanksgiving and Fast are appointed by state or national authority. When not appointed in any year there would, of course, be no such holiday.

Maine. Jan. 1, Feb. 22, May 30, July 4, Christmas, Fast, and Thanksgiving.

New Hampshire. Feb. 22, May 30, July 4, Christmas, Fast, and Thanksgiving.

Vermont. Jan. 1, May 30, July 4, Christmas, Fast, and Thanksgiving.

Massachusetts. Feb. 22; May 30, July 4, Christmas, Fast, and Thanksgiving.

Rhode Island. Feb. 22, May 30 (or 29th if 30th is Sunday), July 4, Christmas, Fast, and Thanksgiving.

Conn. Jan. 1, Feb. 22, May 30, July 4, Christmas, Fast, and Thanksgiving.

1884.]

JANUARY, FIRST MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.
1	23	S.	1	7	22	23	13	21	30	19	20	21	25	18	59
2	22	56	8	22	15	14	21	19	20	20	8	26	18	44	44
3	22	50	9	22	7	15	21	8	21	19	55	27	18	29	29
4	22	44	10	21	58	16	20	57	22	19	42	28	18	13	13
5	22	38	11	21	49	17	20	46	23	19	28	29	17	59	59
6	22	31	12	21	40	18	20	34	24	19	13	30	17	41	41

- ☾ First Quarter, 5th day, 4h. 50m., evening, E.
 ○ Full Moon, 12th day, 10h. 43m., morning, W.
 ☾ Last Quarter, 20th day, 0h. 39m., morning, E.
 ● New Moon, 28th day, 0h. 17m., morning, E.

Day of the Year.	Day of the Month.	Day of the Week.	Rises. h. m.	Sets. h. m.	Length of Days. h. m.	Day's Inere. h. m.	Sun. Slow. m.	Moon's Age.	Full Sea. Boston. Morn. Even.	☽'s Place.	☽ Sets. h. m.	☽ Souths. h. m.	
1	1	Tu.	7 30	4 38	9 8	0 4	4 3	11 $\frac{1}{4}$	1 $\frac{1}{2}$	legs	8 14	2 39	
2	2	W.	7 30	4 39	9 9	0 5	4 4	1 $\frac{3}{4}$	2	feet	9 19	3 28	
3	3	Th.	7 30	4 40	9 10	0 6	5 5	2 $\frac{1}{2}$	2 $\frac{3}{4}$	feet	10 25	4 16	
4	4	Fr.	7 30	4 41	9 11	0 7	5 6	3 $\frac{1}{4}$	3 $\frac{1}{2}$	feet	11 32	5 6	
5	5	Sa.	7 30	4 41	9 11	0 7	6 7	4	4 $\frac{1}{2}$	h'd morn	5 56		
6	6	S.	7 30	4 42	9 12	0 8	6 8	5	5 $\frac{1}{2}$	h'd	0 41	6 49	
7	7	M.	7 30	4 43	9 13	0 9	6 9	6	6 $\frac{1}{2}$	n'k	1 50	7 44	
8	8	Tu.	7 30	4 44	9 14	0 10	7 10	7	7 $\frac{1}{2}$	n'k	3 0	8 42	
9	9	W.	7 29	4 45	9 16	0 12	7 11	8	8 $\frac{1}{2}$	arm	4 9	9 42	
10	10	Th.	7 29	4 47	9 18	0 14	8 12	9	9 $\frac{1}{2}$	arm	5 13	10 41	
11	11	Fr.	7 29	4 48	9 19	0 15	8 13	10	10 $\frac{1}{2}$	br.	6 11	11 40	
12	12	Sa.	7 29	4 49	9 20	0 16	9	11	11 $\frac{1}{2}$	br.	rises	morn	
13	13	S.	7 28	4 50	9 22	0 18	9 15	11 $\frac{3}{4}$	—	h'rt	6 27	0 36	
14	14	M.	7 28	4 51	9 23	0 19	9 16	0 $\frac{1}{2}$	0 $\frac{3}{4}$	h'rt	7 33	1 30	
15	15	Tu.	7 27	4 52	9 25	0 21	10 17	1 $\frac{1}{4}$	1 $\frac{1}{2}$	bel.	8 37	2 20	
16	16	W.	7 27	4 53	9 26	0 22	10 18	2	2 $\frac{1}{4}$	bel.	9 39	3 7	
17	17	Th.	7 26	4 54	9 28	0 24	10 19	2 $\frac{3}{4}$	3	bel.	10 39	3 52	
18	18	Fr.	7 26	4 56	9 30	0 26	11 20	3 $\frac{1}{2}$	3 $\frac{3}{4}$	rei.	11 38	4 37	
19	19	Sa.	7 25	4 57	9 32	0 28	11 21	4 $\frac{1}{4}$	4 $\frac{1}{2}$	rei.	morn	5 20	
20	20	S.	7 25	4 58	9 33	0 29	11 22	5	5 $\frac{1}{2}$	sec.	0 35	6 4	
21	21	M.	7 24	4 59	9 35	0 31	12 23	6	6 $\frac{1}{2}$	sec.	1 32	6 49	
22	22	Tu.	7 24	5 1	9 37	0 33	12 24	6 $\frac{3}{4}$	7 $\frac{1}{4}$	sec.	2 28	7 35	
23	23	W.	7 23	5 2	9 39	0 35	12 25	7 $\frac{3}{4}$	8 $\frac{1}{4}$	thi.	3 22	8 22	
24	24	Th.	7 22	5 3	9 41	0 37	12 26	8 $\frac{3}{4}$	9 $\frac{1}{4}$	thi.	4 14	9 11	
25	25	Fr.	7 21	5 5	9 44	0 40	13 27	9 $\frac{3}{4}$	10	kn.	5 4	10 1	
26	26	Sa.	7 20	5 6	9 46	0 42	13 28	10 $\frac{1}{4}$	10 $\frac{3}{4}$	kn.	5 49	10 52	
27	27	S.	7 19	5 7	9 48	0 44	13 29	11	11 $\frac{1}{2}$	legs	sets	11 43	
28	28	M.	7 18	5 8	9 50	0 46	13	11 $\frac{3}{4}$	—	legs	6 3	0 33	
29	29	Tu.	7 18	5 10	9 52	0 48	13	1	0	0 $\frac{1}{4}$	legs	7 9	1 23
30	30	W.	7 17	5 11	9 54	0 50	14	2	0 $\frac{3}{4}$	1	feet	8 16	2 13
31	31	Th.	7 16	5 12	9 56	0 52	14	3	1 $\frac{1}{2}$	1 $\frac{3}{4}$	feet	9 24	3 3

1884 January Account

4th. Capt C P Trecip died very suddenly
8th. Capt Chas A. Main. Buried with Masonic honors
11th. "Charlotte Pitman," Died Suddenly

Note. Mrs Pitman was refused
the use of the hearse, to carry her
remains to the final resting place
the Committee assigning as a reason
the remarkable fact that, the lot
where her husband was interred, was
not in the incorporated cemetery. the
truth is, it was separated by a slight
fence. this in 19th century is,
probably, the meanest transaction
that ever occurred on our island
Committee. Thaddeus D. Jones - Judge
"†" "Elyas M. Macy, & Banker
J B Macy, Merchant
Gadsden the common path.

14th. James Hazard Died at Mobile, Ala
18th. Elizabeth Coffin died. Widow of Wm Coffin

25th George Lewis of Azores, died. Paymaster

29. in Brooklyn. Joseph Hunt Died Son of
John B. & Bertha R Coffin
formerly of this town

1870

JANUARY hath 31 days.

[1884.]



Oh! cold is winter's bitter wind;
 Stern sweep its storms the snowy waste along:
 Our hearts leap up with courage strong,
 We hold perpetual summer in our mind.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Tu.	Circumcision. Gambetta died, 1883.	It is high time to lay out the plans for the year that is to come. Let us start off right, and pay up the little bills first, for it is a well-known maxim that well begun is half done. This lazy way of putting off things that so many of us get into is not just the thing, and now is a good time to put a stop to it, and take a new tack. Some folks make the farm pay, and some do not. We must try this year to be among the first. What it wants is a little more thought, more skill, and what you may call knack. We are apt to work more than to think. We must put in more brain work. Be sure you're right, David Crockett used to say, and then go ahead; but to live up to that rule we must have some plan to work up to, and then stick to it. The moles and the mice will gnaw the bark off the young fruit trees if you don't look out. The way to head them off is to tread down the snow hard and close to the trunks. To rub a little blood on the bark, is the way to keep off the rabbits. You can trim hardy young trees now as well as any time, and cut grafts to be used in the spring. It is a good plan to spread manure on the surface of orchards, and if there is not much snow on the ground do it now.
2	W.	☿ stat. ☉ in Perigee.	
3	Th.	{ 2d. Legislature meets in Mass. Stormy,	
4	Fr.	♀ gr. hel. lat. S. ☿ gr. el. E.	
5	Sa.	Low tides. with much	
6	F	2d Sun. aft. Chris. Epiphany.	
7	Mo.	{ 9th. Legislature meets in Conn. wind.	
8	Tu.	♄ ☿ ☿, ☿ in ☿. Very	
9	W.	☿ in Perigee. ☿ ♄ ☿.	
10	Th.	☿ runs high. { Lot M. Morrill died, 1882.	
11	Fr.	☿ stat. cold, but	
12	Sa.	13th. Very high tides.	
13	F	1st Sund. after Epiphany.	
14	Mo.	♄ ☿ ☿. 13th. ☿ in Perih.	
15	Tu.	Length of night 14h. 35m.	
16	W.	13th. ☿ ♄ ☿.	
17	Th.	♄ ☿ ☿. fine.	
18	Fr.	{ 19th. Steamer Cambria sunk, 400 lives lost, 1883.	
19	Sa.	♄ ♄ ☉. Becomes	
20	F	2d Sund. after Epiphany.	
21	Mo.	☿ in Apo. 20th. ☿ ☿ ☉ inf.	
22	Tu.	Very low tides. much	
23	W.	☿ gr. hel. lat. N.	
24	Th.	☿ runs low. milder.	
25	Fr.	Conversion of St. Paul.	
26	Sa.	♄ ☿ ☿. Cold	
27	F	3d Sund. after Epiphany.	
28	Mo.	26th. Flotow, the composer, died, 1883.	
29	Tu.	30th. Charles I. beheaded, 1649.	
30	W.	High tides. again.	
31	Th.	24th. Prof. S. S. Greene died, 1883.	

1884.]

FEBRUARY, SECOND MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.
1	17	S. 7	7	15 20	13	13 24	19	11 18	25	9 7
2	16	50	8	15 1	14	13 3	20	10 57	26	8 45
3	16	32	9	14 42	15	12 42	21	10 35	27	8 22
4	16	15	10	14 22	16	12 21	22	10 13	28	8 0
5	15	57	11	14 3	17	12 0	23	9 51	29	7 37
6	15	38	12	13 43	18	11 39	24	9 29		

☾ First Quarter, 4th day, 1h. 13m., morning, W.

○ Full Moon, 11th day, 0h. 4m., morning, E.

☾ Last Quarter, 18th day, 10h. 28m., evening, E.

● New Moon, 26th day, 1h. 51m., evening, W.

Day of the Year.	Day of Month.	Day of the Week.	☉	Rises.	Sets.	Length of Days.	Day's Inere.	Sun Slow.	Moon's Age.	Full Sea, Boston.	☾'s Place.	☾ Sets.	Souths.
				h. m.	h. m.	h. m.	h. m.	m.		Morn. Even.		h. m.	h. m.
32	1	Fr.	7	15 5	13 9	58	0 54	14 4	2	2½	h'd	10 33	3 54
33	2	Sa.	7	14 5	15 10	10	10 57	14 5	2¾	3¼	h'd	11 42	4 46
34	3	S.	7	12 5	16 10	41	0 14	6	3¾	4¼	n'k	morn	5 40
35	4	M.	7	11 5	18 10	71	3 14	7	4½	5¼	n'k	0 50	6 36
36	5	Tu.	7	10 5	19 10	91	5 14	8	5¾	6¼	arm	1 57	7 32
37	6	W.	7	9 5	20 10	111	7 14	9	6¾	7¼	arm	3 2	8 30
38	7	Th.	7	8 5	22 10	141	10 14	10	7¾	8¼	br.	4 1	9 28
39	8	Fr.	7	6 5	23 10	171	13 14	11	9	9½	br.	4 53	10 24
40	9	Sa.	7	5 5	24 10	191	15 14	12	10	10½	h'rt	5 39	11 18
41	10	S.	7	4 5	25 10	211	17 14	13	10¾	11¼	h'rt	6 20	morn
42	11	M.	7	3 5	27 10	241	20 14	14	11¾	—	h'rt	rises	0 9
43	12	Tu.	7	1 5	28 10	271	23 14	15	0	0½	bel.	7 23	0 58
44	13	W.	7	0 5	29 10	291	25 14	16	0¾	1¼	bel.	8 24	1 44
45	14	Th.	6	59 5	31 10	321	28 14	17	1½	1¾	rei.	9 24	2 30
46	15	Fr.	6	57 5	32 10	351	31 14	18	2¼	2½	rei.	10 23	3 14
47	16	Sa.	6	56 5	33 10	371	33 14	19	2¾	3¼	sec.	11 20	3 58
48	17	S.	6	55 5	35 10	401	36 14	20	3½	4	sec.	morn	4 43
49	18	M.	6	53 5	36 10	431	39 14	21	4¼	4¾	sec.	0 16	5 28
50	19	Tu.	6	52 5	37 10	451	41 14	22	5	5½	thi.	1 11	6 15
51	20	W.	6	50 5	38 10	481	44 14	23	6	6½	thi.	2 4	7 2
52	21	Th.	6	49 5	40 10	511	47 14	24	7	7½	kn.	2 54	7 51
53	22	Fr.	6	47 5	41 10	541	50 14	25	8	8½	kn.	3 40	8 41
54	23	Sa.	6	46 5	42 10	561	52 14	26	9	9½	kn.	4 24	9 31
55	24	S.	6	44 5	43 10	591	55 13	27	9¾	10¼	legs	5 4	10 22
56	25	M.	6	43 5	45 11	21	58 13	28	10½	10¾	legs	5 41	11 13
57	26	Tu.	6	41 5	46 11	52	1 13	●	11¼	11½	feet	sets	0 4
58	27	W.	6	39 5	47 11	82	4 13	1	11¾	—	feet	7 9	0 56
59	28	Th.	6	38 5	49 11	112	7 13	2	0¼	0½	h'd	8 19	1 48
60	29	Fr.	6	36 5	50 11	142	10 13	3	1	1¼	h'd	9 30	2 41

If you know how to spend less than you get, you have the philosopher's stone. — BENJAMIN FRANKLIN.

1884

- 1st John Hisk died
2nd Mrs Piersons arrival from Washington
5th 7 PM. Mother took Herbed., very well
11th H P Clapp reported 39 mos.. 2800 lbs
18th Sent Henry a long Letter —

FEBRUARY hath 29 days.

[1884.]



Holds winter still his reign of death :
 Yet days there are of softest calm,
 When all the air is filled with balm,
 And sweet the south wind's breath.

D. M.	D. V.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Fr.	♂ stationary.	<i>Look</i>
2	Sa.	Purifica. of V. Mary. Candlemas Day.	
3	F	4th Sun. aft. Epiph. h sta.	
4	Mo.	♂ in Perigee. ♂ ♀ ☾.	
5	Tu.	♂ ♀ ☾. {Great flood in W. Penn., Ohio, and Ind., 1883.	
6	W.	☾ runs high. Low tides.	
7	Th.	☐ ♀ ☉. <i>out for a</i>	
8	Fr.	{2d. G. W. Greene, grandson of Gen. Greene, died, 1883.	
9	Sa.	♂ ♀ ☾. {Wm. E. Dodge, New York, died, 1883.	
10	F	Septuages. Sund. ♂ ♂ ☾.	
11	Mo.	High tides. <i>thaw or</i>	
12	Tu.	{13th. Richard Wagner, great composer, died, 1883.	<i>rain.</i>
13	W.	♂ ☾ ☾. ♂ gr. elong. W.	
14	Th.	St. Valentine.	<i>Very</i>
15	Fr.	{14th. Ex.-Gov. Morgan of New York, died, 1883.	
16	Sa.	♂ in ☿. ♂ gr. hel. lat. N.	
17	F	Sexagesima Sunday.	
18	Mo.	☾ in Apogee. <i>cold.</i>	
19	Tu.	{16th. Jos. E. Sheffield, founder Sheffield Sci. Sch., Yale College, died, 1882.	
20	W.	☾ low. Very low tides.	
21	Th.	Length of night 13h. 8m.	
22	Fr.	☐ ♀ ☉. {WASHINGTON BORN, 1732.	<i>A</i>
23	Sa.	{Rev. Dr. Chadbourne, president Mass. Agricultural College, died, 1883.	
24	F	Quinquages. Su. St. Matthias.	
25	Mo.	24th. ♂ ♀ ☾. <i>fall of</i>	
26	Tu.	Shrove Tuesday. ♀ in Aphelion.	
27	W.	Ash Wednesday. <i>snow.</i>	
28	Th.	27th. Longfellow born, 1807.	
29	Fr.	♂ ♀ ☾. ♀ in ☿. <i>Fine.</i>	

or so much grain. Try the card now and then. Can't you give them a little better bed to lie on? A warm bed is a cosy thing these cold nights.

1884.]

MARCH, THIRD MONTH.

ASTRONOMICAL CALCULATIONS.

Declination.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.
1	7	S. 14	7	4 55	13	2 34	19	0 S 12	25	2 10
2	6	51	8	4 32	14	2 10	20	0 N 12	26	2 34
3	6	28	9	4 8	15	1 47	21	0 36	27	2 57
4	6	5	10	3 45	16	1 23	22	0 59	28	3 21
5	5	42	11	3 21	17	0 59	23	1 23	29	3 44
6	5	18	12	2 57	18	0 35	24	1 47	30	4 7

☾ First Quarter, 4th day, 8h. 49m., morning, E.

☾ Full Moon, 11th day, 2h. 56m., evening, E.

☾ Last Quarter, 19th day, 6h. 29m., evening, E.

● New Moon, 27th day, 1h. 3m., morning, E.

Day of the Year.	Day of Month.	Day of the Week.	☾	Rises.	Sets.	Length of Days.	Day's Incre.	Sun Sets.	Moon's Age.	Full Sea, Boston.	☾'s Place.	☾ Sets.	☾ Souths.
				h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	Morn. Even.		h. m.	h. m.
61	1	Sa.	6 35	5 51	11 16	2 12	12 4	1 3 1/4	2 1/4	n'k	10 41	3 35	
62	2	S.	6 33	5 52	11 19	2 15	12 5	2 3 1/2	3	n'k	11 50	4 31	
63	3	M.	6 31	5 53	11 22	2 18	12 6	3 1 1/2	4	arm	morn	5 28	
64	4	Tu.	6 30	5 55	11 25	2 21	12 7	4 1 1/2	5	arm	0 55	6 26	
65	5	W.	6 28	5 56	11 28	2 24	11 8	5 1 1/2	6	br.	1 55	7 23	
66	6	Th.	6 26	5 57	11 31	2 27	11 9	6 1 1/2	7 1/4	br.	2 49	8 18	
67	7	Fr.	6 25	5 58	11 33	2 29	11 10	7 3 1/4	8 1/4	br.	3 36	9 11	
68	8	Sa.	6 23	5 59	11 36	2 32	11 11	8 3 1/4	9 1/4	h'rt	4 17	10 2	
69	9	S.	6 21	6 0	11 39	2 35	10 12	9 3 1/4	10 1/4	h'rt	4 54	10 51	
70	10	M.	6 20	6 2	11 42	2 38	10 13	10 1 1/2	11	bel.	5 27	11 38	
71	11	Tu.	6 18	6 3	11 45	2 41	10 14	11 1 1/4	11 3/4	bel.	rises	morn	
72	12	W.	6 16	6 4	11 48	2 44	10 15	—	0	rei.	7 11	0 23	
73	13	Th.	6 14	6 5	11 51	2 47	9 16	0 1/2	0 3/4	rei.	8 11	1 8	
74	14	Fr.	6 13	6 6	11 53	2 49	9 17	1	1 1/2	rei.	9 9	1 52	
75	15	Sa.	6 11	6 7	11 56	2 52	9 18	1 3/4	2	sec.	10 6	2 37	
76	16	S.	6 9	6 8	11 59	2 55	9 19	2 1/4	2 3/4	sec.	11 1	3 22	
77	17	M.	6 8	6 10	12 2	2 58	8 20	3	3 1/4	thi.	11 54	4 8	
78	18	Tu.	6 6	6 11	12 5	3 1	8 21	3 3/4	4	thi.	morn	4 55	
79	19	W.	6 4	6 12	12 8	3 4	8 22	4 1/2	5	thi.	0 45	5 43	
80	20	Th.	6 2	6 13	12 11	3 7	7 23	5 1/4	6	kn.	1 32	6 31	
81	21	Fr.	6 1	6 14	12 13	3 9	7 24	6 1/4	7	kn.	2 16	7 21	
82	22	Sa.	5 59	6 15	12 16	3 12	7 25	7 1/4	8	legs	2 57	8 10	
83	23	S.	5 57	6 16	12 19	3 15	6 26	8 1/4	8 3/4	legs	3 35	9 0	
84	24	M.	5 55	6 18	12 23	3 19	6 27	9 1/4	9 1/2	feet	4 10	9 51	
85	25	Tu.	5 54	6 19	12 25	3 21	6 28	10	10 1/4	feet	4 44	10 42	
86	26	W.	5 52	6 20	12 28	3 24	6 29	10 3/4	11	feet	5 19	11 34	
87	27	Th.	5 50	6 21	12 31	3 27	5	11 1/2	11 3/4	h'd	sets	0 28	
88	28	Fr.	5 48	6 22	12 34	3 30	5 1	—	0 1/4	h'd	8 24	1 24	
89	29	Sa.	5 47	6 23	12 36	3 32	5 2	0 1/2	1	n'k	9 35	2 21	
90	30	S.	5 45	6 24	12 39	3 35	4 3	1 1/2	2	n'k	10 45	3 20	
91	31	M.	5 43	6 25	12 42	3 38	4 4	2 1/4	2 3/4	arm	11 48	4 19	

1884. March account

- Joseph Fisher Buried
3d. Mary Chase Widow of Paul Buried
4th. Sent 3 Bonds to Washington
" Elisha Parker + Abby Paddock Buried
" Weather Extremely Cold. plenty of Ice
" Capt. Brown left for San Francisco, + Valparaiso
5th Capt Manuel Enos Died aged 81 yrs

14th at Monterey March 13th

Charles Rodgey Horn died
a splendid Gentleman. and
great Friend of McLeapt

1st At San Francisco
Edward H Mitchell Son of
David + Phoebe Mitchell
42 yrs 4 mos.

MARCH hath 31 days.

[1884.]



The wild March rains had fallen fast and long
 The snowy mountains of the North among,
 Making each vale a water-course, — each hill
 Bright with the cascade of some new-made rill.

WHITTIER.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1 Sa.		St. David. ☾ in Per. Hi. tides.	<p>WE shall need to brush up the tools and get ready to use them by and by, and so you might as well take the rough days of the first part of this bleak month to do it in. A good tool-house, where all the forks and the rakes, the shovels and the hoes, the pick-axes and the spades, the mowers and the scythes, and a lot of other things, can be stored or hung up and kept in their place till the time to work them comes along, is what ought to be found on every farm. But if you have n't one there is no reason why the tools shouldn't be fixed up and kept fit to use at any time. Then there is the wood-pile. It is best to lay in and keep a good stock of wood on hand, and there's no better time to get up a pile big enough to last a year, and so let it dry. Some folks get into the way of living from hand to mouth, as it were, and never seem to look out for time to come. It is a very bad way, and shows a lack of thrift and snap. Now the fences and the walls need a few patches here and there. When the spring work comes on it will be a bore to stop to run after a stray cow or a lost sheep. Half the time it is a poor wall that makes cows breachy, and poor feed helps.</p>
2 E		1st Sun. in Lent. ☿ ♀ ☾.	
3 Mo.		☿ ♀ ☾. <i>Cold and</i>	
4 Tu.		{ A. H. Stephens, gov. Georgia, vice-pres. { So. Confederacy, died, aged 70, 1883.	
5 W.		☾ runs high. { Boston Massacre, 1770.	
6 Th.		Low tides. Intense cold, 1883.	
7 Fr.		☿ ♀ ☾. { J. R. Green, Eng'ish his- torian, died, 1883.	
8 Sa.		☿ ☿ ☾. <i>stormy.</i>	
9 E		2d Sunday in Lent.	
10 Mo.		High tides. <i>A severe</i>	
11 Tu.		{ Gortschakoff, Russian diplomatist, died, aged 84, 18 3.	
12 W.		☿ ☿ ☾, ☿ stat. <i>storm</i>	
13 Th.		Length of night 12h. 8m.	
14 Fr.		16th. ☿ ☿ ☾. <i>of snow</i>	
15 Sa.		{ Explosion of dynamite at government offices, London, 1883.	
16 E		3d Sun. in Lent. ☾ in Apo.	
17 Mo.		St. Patrick. ☿ gr. hel. lat. S.	
18 Tu.		20th. ♀ stat. <i>or</i>	
19 W.		☾ runs low. <i>rain.</i>	
20 Th.		☾ ent. ♀. SPRING BEGINS.	
21 Fr.		St. Benedict. Very low tides.	
22 Sa.		☿ in Aphelion. <i>Milder.</i>	
23 E		4th Sunday in Lent.	
24 Mo.		27th. ☿ ♀ ☿. <i>Fine.</i>	
25 Tu.		Annon. or Lady Day. { 1st day of year in O. S.; changed, 1752, to Jan. 1.	
26 W.		☿ ☿ ☾.	
27 Th.		☾ eclipsed, invis. in U.S.	
28 Fr.		☾ in Per. 29th. Very hi. tid.	
29 Sa.		☿ ♀ ☾. 30th. ☿ ♀ ☾.	
30 E		5th Sun. in Lent. Passion Sun.	
31 Mo.		30th. ☿ ☿ ☾ sup., ☿ ♀ ☾.	

1884.]

APRIL, FOURTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.
1	4	N 53	7	7 10	13	9 22	19	11 29	25	13 29
2	5	16	8	7 32	14	9 44	20	11 49	26	13 48
3	5	39	9	7 55	15	10 5	21	12 10	27	14 7
4	6	2	10	8 17	16	10 26	22	12 30	28	14 26
5	6	25	11	8 39	17	10 47	23	12 50	29	14 44
6	6	48	12	9 1	18	11 8	24	13 9	30	15 3

☾ First Quarter, 2d day, 4h. 33m., evening, E.

○ Full Moon, 10th day, 7h. 0m., morning, W.

☾ Last Quarter, 18th day, 11h. 10m., morning, W.

● New Moon, 25th day, 10h. 13m. morning, E.

Day of the Year.	Day of Month.	Day of the Week.	☉	Rises.	Sets.	Length of Days.	Day's Incre.	Sun Slow.	Moon's Age.	Full Sea. Boston.	☾'s Place.	☾ Sets.	☾ Souths.
				h. m.	h. m.	h. m.	h. m.	m.		Morn. h. Even. h.		h. m.	h. m.
92	1	Tu.	5	42	6 26	12 44	3 40	4	5	3 $\frac{1}{4}$	3 $\frac{3}{4}$	arm	5 18
93	2	W.	5	40	6 27	12 47	3 43	3	6	4 $\frac{1}{4}$	4 $\frac{3}{4}$	br.	0 45
94	3	Th.	5	38	6 29	12 51	3 47	3	7	5 $\frac{1}{4}$	6	br.	1 35
95	4	Fr.	5	36	6 30	12 54	3 50	3	8	6 $\frac{1}{2}$	7	h't	2 18
96	5	Sa.	5	35	6 31	12 56	3 52	3	9	7 $\frac{1}{2}$	8	h't	2 55
97	6	S.	5	33	6 32	12 59	3 55	2	10	8 $\frac{1}{2}$	9	bel.	3 29
98	7	M.	5	31	6 33	13	2 58	2	11	9 $\frac{1}{2}$	10	bel.	3 59
99	8	Tu.	5	30	6 34	13	4 4	0	12	10 $\frac{1}{2}$	10 $\frac{3}{4}$	bel.	4 29
100	9	W.	5	28	6 35	13	7 4	3	13	11	11 $\frac{1}{4}$	rei.	4 59
101	10	Th.	5	26	6 36	13	10 4	6	1	11 $\frac{3}{4}$	—	rei.	rises
102	11	Fr.	5	25	6 38	13	13 4	9	1	0	0 $\frac{1}{2}$	sec.	7 57
103	12	Sa.	5	23	6 39	13	16 4	12	1	0 $\frac{3}{4}$	1	sec.	8 53
104	13	S.	5	21	6 40	13	19 4	15	0	1 $\frac{1}{4}$	1 $\frac{3}{4}$	sec.	9 47
105	14	M.	5	20	6 41	13	21 4	17	0	1 $\frac{3}{4}$	2 $\frac{1}{4}$	thi.	10 38
106	15	Tu.	5	18	6 42	13	24 4	20	F.	2 $\frac{1}{2}$	3	thi.	11 27
107	16	W.	5	17	6 43	13	26 4	22	0	3 $\frac{1}{4}$	3 $\frac{1}{2}$	kn.	4 25
108	17	Th.	5	15	6 44	13	29 4	25	1	4	4 $\frac{1}{2}$	kn.	0 11
109	18	Fr.	5	14	6 45	13	31 4	27	1	4 $\frac{3}{4}$	5 $\frac{1}{2}$	kn.	0 52
110	19	Sa.	5	12	6 46	13	34 4	30	1	5 $\frac{3}{4}$	6 $\frac{1}{4}$	legs	1 30
111	20	S.	5	10	6 47	13	37 4	33	1	6 $\frac{3}{4}$	7 $\frac{1}{4}$	legs	2 6
112	21	M.	5	9	6 49	13	40 4	36	2	7 $\frac{3}{4}$	8	feet	2 40
113	22	Tu.	5	7	6 50	13	43 4	39	2	8 $\frac{1}{2}$	9	feet	3 15
114	23	W.	5	6	6 51	13	45 4	41	2	9 $\frac{1}{4}$	9 $\frac{3}{4}$	h'd	3 50
115	24	Th.	5	4	6 52	13	48 4	44	2	10 $\frac{1}{4}$	10 $\frac{1}{2}$	h'd	4 25
116	25	Fr.	5	3	6 53	13	50 4	46	2	11	11 $\frac{1}{4}$	n'k	sets
117	26	Sa.	5	1	6 54	13	53 4	49	2	11 $\frac{3}{4}$	—	n'k	8 24
118	27	S.	5	0	6 55	13	55 4	51	3	0 $\frac{1}{4}$	0 $\frac{3}{4}$	arm	9 33
119	28	M.	4	59	6 57	13	58 4	54	3	1 $\frac{1}{4}$	1 $\frac{3}{4}$	arm	10 36
120	29	Tu.	4	57	6 58	14	1 4	57	3	2	2 $\frac{1}{2}$	br.	11 30
121	30	W.	4	56	6 59	14	3 4	59	3	3	3 $\frac{1}{2}$	br.	morn

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1881, FOCKE'S METHOD

ASTRONOMICAL CALCULATIONS.

1. First Quarter, 21st day, 11h. 33m. morning.

2. Last Quarter, 19th day, 7h. 5m. morning.

3. Last Quarter, 18th day, 11h. 10m. morning.

4. New Moon, 25th day, 10h. 15m. morning.

5. First Quarter, 21st day, 11h. 33m. morning.

6. Last Quarter, 19th day, 7h. 5m. morning.

7. Last Quarter, 18th day, 11h. 10m. morning.

8. New Moon, 25th day, 10h. 15m. morning.

9. First Quarter, 21st day, 11h. 33m. morning.

10. Last Quarter, 19th day, 7h. 5m. morning.

11. Last Quarter, 18th day, 11h. 10m. morning.

12. New Moon, 25th day, 10h. 15m. morning.

13. First Quarter, 21st day, 11h. 33m. morning.

14. Last Quarter, 19th day, 7h. 5m. morning.

15. Last Quarter, 18th day, 11h. 10m. morning.

16. New Moon, 25th day, 10h. 15m. morning.

17. First Quarter, 21st day, 11h. 33m. morning.

18. Last Quarter, 19th day, 7h. 5m. morning.

19. Last Quarter, 18th day, 11h. 10m. morning.

20. New Moon, 25th day, 10h. 15m. morning.

21. First Quarter, 21st day, 11h. 33m. morning.

22. Last Quarter, 19th day, 7h. 5m. morning.

23. Last Quarter, 18th day, 11h. 10m. morning.

24. New Moon, 25th day, 10h. 15m. morning.

25. First Quarter, 21st day, 11h. 33m. morning.

26. Last Quarter, 19th day, 7h. 5m. morning.

27. Last Quarter, 18th day, 11h. 10m. morning.

28. New Moon, 25th day, 10h. 15m. morning.

29. First Quarter, 21st day, 11h. 33m. morning.

30. Last Quarter, 19th day, 7h. 5m. morning.

31. Last Quarter, 18th day, 11h. 10m. morning.

32. New Moon, 25th day, 10h. 15m. morning.

33. First Quarter, 21st day, 11h. 33m. morning.

34. Last Quarter, 19th day, 7h. 5m. morning.

35. Last Quarter, 18th day, 11h. 10m. morning.

36. New Moon, 25th day, 10h. 15m. morning.

37. First Quarter, 21st day, 11h. 33m. morning.

38. Last Quarter, 19th day, 7h. 5m. morning.

39. Last Quarter, 18th day, 11h. 10m. morning.

40. New Moon, 25th day, 10h. 15m. morning.

41. First Quarter, 21st day, 11h. 33m. morning.

42. Last Quarter, 19th day, 7h. 5m. morning.

43. Last Quarter, 18th day, 11h. 10m. morning.

44. New Moon, 25th day, 10h. 15m. morning.

45. First Quarter, 21st day, 11h. 33m. morning.

46. Last Quarter, 19th day, 7h. 5m. morning.

47. Last Quarter, 18th day, 11h. 10m. morning.

48. New Moon, 25th day, 10h. 15m. morning.

APRIL hath 30 days.

[1884.]



One moment now may give us more
 Than fifty years of reason:
 Our minds shall drink at every pore
 The spirit of the season. — WORDSWORTH.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Tu.	☾ runs high. ^{2d. Jefferson born, 1743.}	It is a good time to top-dress the pastures. Good feed is just what a lot of cows want, and grass is all the better for something to live on. Bone meal, ground bone, or good superphosphate will make things grow, and I guess it pays to buy and use them. Set out trees and shrubs. It is high time to dig up the garden, and to get a few plants and flowers in the way of growth. A plenty of small fruits ought to be grown on every farm, and a good garden is just the place for them. We must learn to take things as they come. It will not rain nor shine a bit more or less for anything we can do or say, and to fret only wears out the soul and body too. If there were to be no rain till every man wanted it, the ground would go dry. It does me good to see my old friend Blithe. He rises with the lark, and has a heart as full of praise. His rule is to make the best of everything, and so all things seem to work for good with him. In the house, on the road, at the store, or in the field, he always has a cheery word and a sweet smile, as if he thought no ill of any one; or if he does, he knows how to keep it to himself. He brings sunshine with him when he comes, and that gives warmth and life.
2	W.	♀ in Perih. State election in R.I.	
3	Th.	♂ ♀ ☾. <i>Cold</i>	
4	Fr.	♂ ♂ ☾. ^{§ Peter Cooper. N.Y., merch. and philan., d., a. 22, 1883.}	
5	Sa.	♀ in ☾. <i>and</i>	
6	E	Palm Sunday. Low tid.	
7	Mo.	Wordsworth born, 1770. <i>raw.</i>	
8	Tu.	♂ ☿ ☾. <i>Finer,</i>	
9	W.	<i>but</i>	
10	Th.	♀ in Perih. ☾ ecl., visible.	
11	Fr.	Good Friday. High tides.	
12	Sa.	♂ ♀ ☾. ^{§ 11th. Rosetti, poet and painter, died, 1882.}	
13	E	Easter Sunday. ☾ in Apo.	
14	Mo.	☐ ♀ ☉. <i>look</i>	
15	Tu.	☾ runs low. <i>out</i>	
16	W.	^{§ 13th. Fort Sumter fired upon, — civil war begun in U.S., 1861.}	
17	Th.	Length of night 10h. 30m.	
18	Fr.	20 th . ♀ gr. hel. lat. N. <i>for</i>	
19	Sa.	Very low tides. <i>a</i>	
20	E	Low Sunday. <i>storm.</i>	
21	Mo.	♂ ♀ ☿.	
22	Tu.	25 th . ☉ ecl., invis. in U.S.	
23	W.	St. George. ^{§ Shakespeare born, 1564, died, 1616.}	
24	Th.	27 th . Very high tides.	
25	Fr.	St. Mark. ♀ gr. hel. lat. N.	
26	Sa.	☾ in Per. ♂ ♀ ☾, ♂ ☿ ☾.	
27	E	2d Sunday after Easter.	
28	Mo.	☾ runs high. ♂ ♂ ☾. <i>Mild.</i>	
29	Tu.	27 th . ♂ ♀ ☾.	
30	W.	♂ ♀ ☾. 25 th . ♀ gr. elon. E.	

1884.]

MAY, FIFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.
	1	15	N 21	7	17	4	13	18	36	19	19	57	25	21	7
	2	15	39	8	17	20	14	18	50	20	20	10	26	21	17
	3	15	56	9	17	36	15	19	5	21	20	22	27	21	27
	4	16	13	10	17	51	16	19	18	22	20	34	28	21	36
	5	16	30	11	18	5	17	19	32	23	20	45	29	21	45
	6	16	47	12	18	21	18	19	45	24	20	56	30	21	54

- ☽ First Quarter, 2d day, 1h. 23m., morning, W.
 ○ Full Moon, 9th day, 11h. 23m., evening, E.
 ☾ Last Quarter, 18th day, 0h. 10m., morning, E.
 ● New Moon, 24th day, 5h. 52m., evening, W.
 ☽ First Quarter, 31st day, 0h. 12m., morning, W.

Day of the Year.	Day of Month.	Day of the Week.	☉	Rises.	Sets.	Length of Days.	Day's Incre.	Sun East.	Moon's Age.	Full Sea, Boston.	☽'s Place.	☽	Souths.
				h. m.	h. m.	h. m.	h. m.	m.		Morn Even	h. m.	Sets.	h. m.
122	1	Th.	☉	4 55	7 0	14 5	1 3	6	4	4 1/4	h't	0 17	5 56
123	2	Fr.	☉	4 53	7 1	14 8	5 4	3	7	5 1/4	h't	0 57	6 46
124	3	Sa.	☉	4 52	7 2	14 10	5 6	3	8	6 1/4	bel.	1 32	7 33
125	4	S.	☉	4 51	7 3	14 12	5 8	3	9	7 1/4	bel.	2 3	8 19
126	5	M.	☉	4 49	7 4	14 15	5 11	4	10	8 1/4	bel.	2 33	9 3
127	6	Tu.	☉	4 48	7 5	14 17	5 13	4	11	9 1/4	rei.	3 2	9 47
128	7	W.	☉	4 47	6	14 19	5 15	4	12	10 1/4	rei.	3 31	10 30
129	8	Th.	☉	4 46	7 7	14 21	5 17	4	13	10 3/4	11 sec.	4 1	11 15
130	9	Fr.	☉	4 45	7 8	14 23	5 19	4	○	11 1/2	11 sec.	4 34	morn
131	10	Sa.	☉	4 44	7 9	14 25	5 21	4	15	—	0 sec.	rises	0 0
132	11	S.	☉	4 42	7 10	14 28	5 24	4	16	0 1/4	0 1/2	thi.	8 35
133	12	M.	☉	4 41	7 12	14 31	5 27	4	17	0 3/4	1 1/4	thi.	9 24
134	13	Tu.	☉	4 40	7 13	14 33	5 29	4	18	1 1/2	1 3/4	kn.	10 10
135	14	W.	☉	4 39	7 14	14 35	5 31	4	19	2	2 1/2	kn.	10 52
136	15	Th.	☉	4 38	7 15	14 37	5 33	4	20	2 3/4	3 1/4	kn.	11 30
137	16	Fr.	☉	4 37	7 16	14 39	5 35	4	21	3 1/2	4	legs	morn
138	17	Sa.	☉	4 36	7 17	14 41	5 37	4	22	4 1/4	4 3/4	legs	0 6
139	18	S.	☉	4 35	7 18	14 43	5 39	4	23	5	5 3/4	feet	0 39
140	19	M.	☉	4 34	7 19	14 45	5 41	4	24	6	6 3/4	feet	1 12
141	20	Tu.	☉	4 34	7 20	14 46	5 42	4	25	7	7 1/2	h'd	1 44
142	21	W.	☉	4 33	7 21	14 48	5 44	4	26	8	8 1/4	h'd	2 19
143	22	Th.	☉	4 32	7 21	14 49	5 45	4	27	8 3/4	9 1/4	n'k	2 55
144	23	Fr.	☉	4 31	7 22	14 51	5 47	3	28	9 3/4	10 1/4	n'k	3 37
145	24	Sa.	☉	4 30	7 23	14 53	5 49	3	●	10 3/4	11	arm	sets
146	25	S.	☉	4 30	7 24	14 54	5 50	3	1	11 1/2	—	arm	11 44
147	26	M.	☉	4 29	7 25	14 56	5 52	3	2	0	0 1/2	br.	8 18
148	27	Tu.	☉	4 28	7 26	14 58	5 54	3	3	1	1 1/2	br.	9 18
149	28	W.	☉	4 28	7 27	14 59	5 55	3	4	1 3/4	2 1/2	h't	10 10
150	29	Th.	☉	4 27	7 27	15 0	5 56	3	5	2 3/4	3 1/4	h't	10 54
151	30	Fr.	☉	4 27	7 28	15 1	5 57	3	6	3 3/4	4 1/4	h't	11 31
152	31	Sa.	☉	4 26	7 29	15 3	5 59	2	7	4 3/4	5 1/4	bel.	0 4

MAY and 31

Welcome, welcome, sweet
 Breath so sweet, and softer
 Sun, and dew, and gentle breeze
 Welcome, welcome, month of May

Aspects, Position, Time
 Weather, etc.

Particulars

1st Sunday May. 1888

2nd Sunday May. 1888

3rd Sunday May. 1888

4th Sunday May. 1888

5th Sunday May. 1888

6th Sunday May. 1888

7th Sunday May. 1888

8th Sunday May. 1888

9th Sunday May. 1888

10th Sunday May. 1888

11th Sunday May. 1888

12th Sunday May. 1888

13th Sunday May. 1888

14th Sunday May. 1888

15th Sunday May. 1888

16th Sunday May. 1888

17th Sunday May. 1888

18th Sunday May. 1888

19th Sunday May. 1888

20th Sunday May. 1888

21st Sunday May. 1888

22nd Sunday May. 1888

23rd Sunday May. 1888

24th Sunday May. 1888

25th Sunday May. 1888

26th Sunday May. 1888

27th Sunday May. 1888

28th Sunday May. 1888

29th Sunday May. 1888

30th Sunday May. 1888

31st Sunday May. 1888

1st Sunday May. 1888

2nd Sunday May. 1888

3rd Sunday May. 1888

4th Sunday May. 1888

5th Sunday May. 1888

6th Sunday May. 1888

7th Sunday May. 1888

8th Sunday May. 1888

9th Sunday May. 1888

10th Sunday May. 1888

11th Sunday May. 1888

12th Sunday May. 1888

13th Sunday May. 1888

14th Sunday May. 1888

15th Sunday May. 1888

16th Sunday May. 1888

17th Sunday May. 1888

18th Sunday May. 1888

19th Sunday May. 1888

20th Sunday May. 1888

21st Sunday May. 1888

22nd Sunday May. 1888

23rd Sunday May. 1888

24th Sunday May. 1888

25th Sunday May. 1888

26th Sunday May. 1888

27th Sunday May. 1888

28th Sunday May. 1888

29th Sunday May. 1888

30th Sunday May. 1888

31st Sunday May. 1888

MAY hath 31 days.

[1884.]



Welcome, welcome, lovely May!
 Breath so sweet, and smiles so gay;
 Sun, and dew, and gentle showers,
 Welcome, welcome, month of flowers!

T. D. MILLER.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Th.	St. Philip and St. James. <i>Fine</i>	<p>Soon the strife with the weeds and the bugs will begin. They say all things have their use, but it seems to me some things, if they have any good in them, take a mighty poor way to show it. Now there's the rose-bug will be about here in a few weeks, and I can't think what he was made for, or what good he can do; and then there's the currant worm, and the potato beetle, and the pig weed, and the Roman wormwood, and a thousand other weeds and bugs; but Blithe says it's all right; they stir us up and teach us to be on the watch. Perhaps we should grow lazy if it were not for them, and get into the habit of lying in bed too late. Blithe, you see, is a rural philosopher, and takes things as they come. If it rains, "Let it rain," Blithe says; "God knows what weather is best for us, and we ought to make the best of it." I notice Blithe gets his seeds into the ground at just about the right time to have them grow, and if he does n't know when that time is, he takes great care to find out, and so good luck seems to follow him. Let us try to look at it just as he does, and make the best of it all. Bear in mind the good old adage: "Act well your part; there all the honor lies."</p>
2	Fr.	♂♂♂. ♀gr. elong. E.	
3	Sa.	4 th . Low tides. <i>warm</i>	
4	E	3 ^d Sunday after Easter.	
5	Mo.	♂♂♂, □♂♂. ♀stat.	
6	Tu.	5 th . Napoleon died, 1821. <i>weather.</i>	
7	W.	{ S. P. Chase, C. J. U. S. Supreme Court, died, 1873.	
8	Th.	{ 11 th . Dr. John Brown of Edinburgh, died, 1882.	
9	Fr.	11 th . High tides. <i>Cooler,</i>	
10	Sa.	♂ in Apogee. ♂Ψ♂.	
11	E	4 th Sunday after Easter.	
12	Mo.	♂ runs low. <i>and</i>	
13	Tu.	<i>much</i>	
14	W.	♀ in ♄. <i>rainy</i>	
15	Th.	Length of night 9h. 22m.	
16	Fr.	18 th . Very low tides.	
17	Sa.	♂♂♂ inf. <i>weather,</i>	
18	E	Rogation Sunday. <i>with</i>	
19	Mo.	{ 24 th . Brooklyn Bridge opened, 1883. <i>heavy</i>	
20	Tu.	24 th . Queen Victoria born, 1819.	
21	W.	{ 23 th . Abd-el-Kader died, 1883. <i>showers.</i>	
22	Th.	Ascension Day, or Holy Thursday.	
23	Fr.	♂Ψ♂. 24 th . ♀ in Aphel.	
24	Sa.	♂ in Perigee. ♂♂♂.	
25	E	Sun. aft. Ascen. ♂♂♂.	
26	Mo.	♂ru. hi. Very high tides.	
27	Tu.	♂♀♂. { R. I. Legislature meets at Newport.	
28	W.	♂♂♂. { 27 th . Alex. III. crowned at Moscow, 1883.	
29	Th.	30 th . ♂♂♂. <i>Very</i>	
30	Fr.	♀stat. MEMORIAL DAY.	
31	Sa.	♂stat. <i>hot.</i>	

1884.]

JUNE, SIXTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.
1	22	N	11	7	22	51	13	23	16	19	23	27
2	22		18	8	22	56	14	23	19	20	23	27
3	22		25	9	23	1	15	23	21	21	23	27
4	22		32	10	23	5	16	23	23	22	23	27
5	22		39	11	23	9	17	23	25	23	23	26
6	22		45	12	23	13	18	23	26	24	23	24

○ Full Moon, 8th day, 3h. 5m., evening, E.

☾ Last Quarter, 16th day, 9h. 50m., morning, W.

☾ New Moon, 23d day, 0h. 49m., morning, E.

☾ First Quarter, 30th day, 1h. 30m., morning, W.

Day of the Year.	Day of Month.	Day of the Week.	☉	Rises.	Sets.	Length of Days.	Day's Inere.	Sun East.	Moon's Age.	Full Sea, Boston.	☾'s Place.	☾ Sets.	☾ South.
				h. m. h. m.	h. m.	h. m.	h. m.	m.		Morn. Even.		h. m. h. m.	m.
153	1	S.	☉	4 26	7 30	15 46	0 2	8	5 3	6 1	bel.	0 36	7 1
154	2	M.		4 25	7 30	15 56	1 2	9	6 3	7 1	rei.	1 6	7 45
155	3	Tu.		4 25	7 31	15 66	2 2	10	7 3	8	rei.	1 54	8 29
156	4	W.		4 24	7 32	15 86	4 2	11	8 1	9	sec.	2 4	9 13
157	5	Th.		4 24	7 33	15 96	5 2	12	9 1	9 3	sec.	2 36	9 58
158	6	Fr.		4 24	7 33	15 96	5 1	13	10 1	10 1	sec.	3 10	10 44
159	7	Sa.		4 24	7 34	15 106	6 1	14	11 1	11 1	thi.	3 47	11 31
160	8	S.	☉	4 24	7 35	15 116	7 1	15	11 1	11 1	thi.	rises	morn
161	9	M.		4 23	7 35	15 126	8 1	16	—	0 1	thi.	8 8	0 19
162	10	Tu.		4 23	7 36	15 136	9 1	17	0 1	0 1	kn.	8 52	1 7
163	11	W.		4 23	7 36	15 136	9 1	18	1	1 1	kn.	9 32	1 55
164	12	Th.		4 23	7 37	15 146	10 0	19	1 3	2	legs	10 8	2 43
165	13	Fr.		4 23	7 37	15 156	11 0	20	2 1	2 1	legs	10 42	3 30
166	14	Sa.		4 23	7 38	15 156	11 0	21	3	3 1	feet	11 14	4 17
167	15	S.	☉	4 23	7 38	15 156	11 0	22	3 3	4 1	feet	11 46	5 5
168	16	M.		4 23	7 38	15 156	11 1	23	4 1	5	feet	morn	5 53
169	17	Tu.		4 23	7 39	15 166	12 1	24	5 1	6	h'd	0 18	6 42
170	18	W.		4 23	7 39	15 166	12 1	25	6 1	7	h'd	0 52	7 34
171	19	Th.		4 23	7 39	15 166	12 1	26	7 1	8	n'k	1 30	8 28
172	20	Fr.		4 23	7 39	15 166	12 1	27	8 1	9	n'k	2 12	9 26
173	21	Sa.		4 23	7 39	15 166	Dec 2	28	9 1	9 3	arm	3 1	10 27
174	22	S.	☉	4 24	7 40	15 160	0 2	29	10 1	10 1	arm	3 58	11 29
175	23	M.		4 24	7 40	15 160	0 2	1	11 1	11 1	br.	sets	0 31
176	24	Tu.		4 24	7 40	15 160	0 2	2	—	0 1	br.	8 46	1 31
177	25	W.		4 25	7 40	15 150	1 2	3	1 1	1 1	h'rt	9 28	2 27
178	26	Th.		4 25	7 40	15 150	1 3	4	2 1	2 1	h'rt	10 5	3 20
179	27	Fr.		4 25	7 40	15 150	1 3	5	3 1	3 1	bel.	10 38	4 10
180	28	Sa.		4 26	7 40	15 140	2 3	6	4 1	4 1	bel.	11 8	4 57
181	29	S.	☉	4 26	7 40	15 140	2 3	7	5 1	5 1	rei.	11 37	5 42
182	30	M.		4 27	7 40	15 130	3 3	8	6 1	6 1	rei.	morn	6 26

JUNE, SIXTH MONTH

ASTRONOMICAL CALCULATIONS

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31											

☉ Full Moon, 5th day, 8h. 30m., evening 7.

☾ Last Quarter, 19th day, 5h. 30m., morning 5.

☼ New Moon, 23d day, 6h. 10m., morning 6.

☽ First Quarter, 7th day, 11h. 30m., morning 7.

18th Man Killed on ^{the} Rail Road

JUNE hath 30 days.

[1884.]



Flowers are springing, birds are singing,
 Bees are humming, all around;
 Joy and pleasure, without measure,
 Welcome us in every sound. — MATTHIAS BARR.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	E	Whit-Sunday. Nicomede.	<p>THE early grasses will be in bloom in a few days, and you may be sure they will not grow any better to make into hay. The best hay is just dried grass, cut when it is full of juice. It is sweet then, and you will see that the cows will take hold of it, and look and act as if they wanted to say that it went just to the right place. Don't try to dry it all to a crisp, but cook it, as you would a steak, so as to leave all the juices in it. Then it is at its best. A great many fruit trees try to bear too much. Now is the time to thin out the pears, the plums, the apples, and the grapes soon after the bunches set. What is left will grow better and sell for more money than if the tree or the plant or vine is left to its own sweet will. You can clean out the nests of the caterpillars with a brush fixed on the end of a pole. A good sprinkling of soapsuds is just the cure for plum lice. A lot of chickens under the plum trees is the best way to reach the curculio, but it is easy to jar him off with the sharp blow of an axe or a club. Let him fall upon sheets, when a hot bath is good for him. Powdered hellebore is the best thing for the currant worm. It does n't cost much, and it is safe to use.</p>
2	Mo.	Littre, French scholar and lexicographer, died, 1881.	
3	Tu.	Low tides. ♀ gr. brill.	
4	W.	1 st . ♂ ☿ ☾. Wind	
5	Th.	3 ^d . ♂ ♀ ☾. and	
6	Fr.	☾ in Apogee. rain.	
7	Sa.		
8	E	Trinity Sunday. Fine	
9	Mo.	☾ runs low. High tides.	
10	Tu.	12th. Dr. Arnold of Rugby, died, 1842.	
11	W.	St. Barnabas. again	
12	Th.	Corpus Christi. ♂ gr. elon. W.	
13	Fr.	♂ gr. hel. lat. S. and	
14	Sa.	☐ ☿ ☾. ☿ 13th. Mag. Charita granted by King John, 1215.	
15	E	1st Sunday after Trinity.	
16	Mo.	Low tides. ☿ 302 children killed in a panic at Sunderland. [Eng., 1883.]	
17	Tu.	Battle of Bunker Hill, 1775.	
18	W.	♀ st. 20th. ♀ in ☿, ♂ ♀ ☾. warm.	
19	Th.	☿ Longest days in the year, about 15½ hours long.	
20	Fr.	☾ ent. ☿. SUMMER BEGINS.	
21	Sa.	☾ in Per. ♂ ☿ ☾, ♂ ♀ ☾.	
22	E	2d Sunday after Trinity.	
23	Mo.	Length of night 8h. 44m.	
24	Tu.	St. John Baptist. ♂ ♀ ☾.	
25	W.	♂ ♀ ☾, ♂ ☿ ♀.	
26	Th.	22 ^d . ☾ runs high. Dull,	
27	Fr.	29th. Very high tides.	
28	Sa.	♂ ☿ ☾, ♂ ☿ ☾. with	
29	E	3d Sun. after Tri. St. Peter.	
30	Mo.	☾ in Apogee. showers.	

1884.]

JULY, SEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.
1	23	N	4	7	22	30	13	21	43	19	20	42	25	19	29
2	23		59	8	22	23	14	21	34	20	20	31	26	19	16
3	22		54	9	22	16	15	21	24	21	20	19	27	19	2
4	22		49	10	22	8	16	21	14	22	20	7	28	18	48
5	22		43	11	22	0	17	21	4	23	19	55	29	18	34
6	22		37	12	21	54	18	20	53	24	19	42	30	18	19

○ Full Moon, 8th day, 5h. 26m., morning, W.

☾ Last Quarter, 15th day, 4h. 54m., evening, W.

● New Moon, 22d day, 8h. 10m., morning, E.

☽ First Quarter, 29th day, 5h. 17m., evening, E.

Day of the Year	Day of Month	Day of Week	☉	Rises.	Sets.	Length of Days.	Day's Decre.	Sun Slow.	Moon's Age.	Fall Sea.	☽'s	☽	☽
				h. m. h.	m. h.	m. h. m.	m. m.	m. m.	m.	Morn. h. Even. h.	Place.	Sets. h. m. h.	South. m.
183	1	Tu.	4 27	7 40	15 13	0 3	4 8	6	6 $\frac{1}{2}$	rei.	0 7	7 11	
184	2	W.	4 28	7 40	15 12	0 4	4 9	7	7 $\frac{1}{2}$	sec.	0 38	7 55	
185	3	Th.	4 28	7 39	15 11	0 5	4 10	8	8 $\frac{1}{4}$	sec.	1 11	8 41	
186	4	Fr.	4 29	7 39	15 10	0 6	4 11	8 $\frac{3}{4}$	9 $\frac{1}{4}$	thi.	1 47	9 27	
187	5	Sa.	4 29	7 39	15 10	0 6	4 12	9 $\frac{3}{4}$	10	thi.	2 27	10 15	
188	6	S.	4 30	7 39	15 9	0 7	5 13	10 $\frac{1}{2}$	10 $\frac{3}{4}$	thi.	3 12	11 3	
189	7	M.	4 31	7 38	15 7	0 9	5 14	11 $\frac{1}{4}$	11 $\frac{1}{2}$	kn.	4 6	11 52	
190	8	Tu.	4 32	7 38	15 6	0 10	5 16	0	11 $\frac{3}{4}$	—	kn.	rises	morn
191	9	W.	4 32	7 37	15 5	0 11	5 17	0 $\frac{1}{2}$	0	0 $\frac{1}{2}$	legs	8 10	0 40
192	10	Th.	4 33	7 37	15 4	0 12	5 17	0 $\frac{3}{4}$	1	1	legs	8 45	1 28
193	11	Fr.	4 34	7 37	15 3	0 13	5 18	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	legs	9 18	2 16
194	12	Sa.	4 34	7 36	15 2	0 14	5 19	2	2 $\frac{1}{4}$	2 $\frac{1}{4}$	feet	9 50	3 3
195	13	S.	4 35	7 36	15 1	0 15	6 20	2 $\frac{3}{4}$	3	3	feet	10 22	3 51
196	14	M.	4 36	7 35	14 59	0 17	6 21	3 $\frac{1}{4}$	3 $\frac{1}{2}$	h'd	10 54	4 39	
197	15	Tu.	4 37	7 34	14 57	0 19	6 22	4 $\frac{1}{4}$	4 $\frac{1}{2}$	h'd	11 30	5 29	
198	16	W.	4 38	7 33	14 55	0 21	6 23	5	5 $\frac{1}{2}$	n'k	morn	6 21	
199	17	Th.	4 39	7 33	14 54	0 22	6 24	6	6 $\frac{1}{2}$	n'k	0 9	7 15	
200	18	Fr.	4 40	7 32	14 52	0 24	6 25	7	7 $\frac{1}{2}$	arm	0 53	8 13	
201	19	Sa.	4 40	7 31	14 51	0 25	6 26	8 $\frac{1}{4}$	8 $\frac{1}{2}$	arm	1 44	9 12	
202	20	S.	4 41	7 31	14 50	0 26	6 27	9 $\frac{1}{4}$	9 $\frac{1}{2}$	br.	2 43	10 13	
203	21	M.	4 42	7 30	14 48	0 28	6 28	10 $\frac{1}{4}$	10 $\frac{3}{4}$	br.	3 47	11 13	
204	22	Tu.	4 43	7 29	14 46	0 30	6 29	11 $\frac{1}{4}$	11 $\frac{1}{2}$	h'rt	sets	0 11	
205	23	W.	4 44	7 28	14 44	0 32	6 30	1	—	0	h'rt	8 0	1 7
206	24	Th.	4 45	7 27	14 42	0 34	6 31	0 $\frac{1}{2}$	1	1	bel.	8 36	1 59
207	25	Fr.	4 46	7 26	14 40	0 36	6 32	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	bel.	9 8	2 48
208	26	Sa.	4 47	7 25	14 38	0 38	6 33	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	bel.	9 39	3 35
209	27	S.	4 48	7 24	14 36	0 40	6 34	3 $\frac{1}{4}$	3 $\frac{1}{2}$	rei.	10 9	4 21	
210	28	M.	4 49	7 23	14 34	0 42	6 35	4	4	4	rei.	10 40	5 6
211	29	Tu.	4 50	7 22	14 32	0 44	6 36	5	5 $\frac{1}{2}$	5 $\frac{1}{2}$	sec.	11 13	5 51
212	30	W.	4 51	7 21	14 30	0 46	6 37	6	6	6	sec.	11 47	6 36
213	31	Th.	4 52	7 20	14 28	0 48	6 38	7	7 $\frac{1}{2}$	7 $\frac{1}{2}$	sec.	morn	7 22

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Handwritten notes at the top of the page, including "The first of the year" and "The first of the year" repeated.

Let me, then, be up and doing
With a heart for my life;
Still achieving, still pursuing,
Learn to labor and to wait.

Date	Weather	Temperature	Remarks
Jan 1	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 2	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 3	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 4	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 5	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 6	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 7	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 8	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 9	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 10	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 11	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 12	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 13	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 14	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 15	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 16	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 17	Clear	Low 10, High 32	A fine day, with a light breeze.
Jan 18	Clear	Low 10, High 32	A fine day, with a light breeze.

Mrs. Margaret Upham
age 73 years, widow of William
July 19th Capt. Col. B. Roy 86 y 6 m 17 d on m.

JULY hath 31 days.

[1884.]



Let us, then, be up and doing,
 With a heart for any fate;
 Still achieving, still pursuing,
 Learn to labor and to wait. — LONGFELLOW.

D. M.	D. M.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Tu.	2d. Garfield shot, 1881.	As soon as the hay is in the barn, why not take hold and clean out the well? Good water, and a plenty of it, is one of the first things to look out for on the farm, and everywhere else. The health of man and beast depends upon it. Then there is the sink drain, — that may need to be fixed up a little. It is one of those things that it will not do to put off. A very large part of the cases of ill-health on our farms can be traced to bad drainage, to filth, and to bad air from damp cellars or outhouses. I have seen cartloads of chip dirt, some feet deep, left to rot in the woodshed, next to the kitchen, while the close air of the wet cellar was enough to bring the girls down with a fever. It is far better to give it a little thought and care now than to have to pay a doctor's bill by and by. Use the horse-hoe to keep down the weeds, and to break up the crust that is apt to form on the surface of the soil. Mulch young trees. Thin out fruit from trees and shrubs that have set too much. What is left will be enough better to pay for it, while you save the life and vitality of the tree for another year. We must learn to train up a fruit-tree in the way it should go if we want it to bear in the odd year.
2	W.	Low tides. ♀ in ♀.	
3	Th.		
4	Fr.	☾ in Apogee. <i>Very</i>	
5	Sa.	6th. ☾ runs low. <i>INDEPENDENCE</i> declared, 1776. <i>fine</i>	
6	E	4th Sunday after Trinity.	
7	Mo.	♀ in Perihelion.	
8	Tu.	<i>weather.</i>	
9	W.	12th. Battle of the Boyne, 1690.	
10	Th.	High tides. <i>Hot</i>	
11	Fr.	♂ ♀ ☾ inf. <i>and</i>	
12	Sa.	♂ ♀ ♀, ♂ ♀ ☾ sup.	
13	E	5th Sunday after Trinity.	
14	Mo.	Low tides. <i>Bastille destroyed,</i> 1789.	
15	Tu.	St. Swithin. <i>dry.</i>	
16	W.	♂ Mary, widow of Abraham Lincoln, died, 1882.	
17	Th.	♂ gr. hel. lat. N. ♂ ♀ ☾.	
18	Fr.	Length of night 9h. 8m.	
19	Sa.	☾ r. high. ♂ ♀ ☾, ♂ ♀ ☾.	
20	E	6th Sun. aft. Tr. St. Margaret.	
21	Mo.	♂ ♀ ☾. 20th ☾ in Peri.	
22	Tu.	St. Mary Magdalene. Very high ti.	
23	W.	♂ ♀ ☾, ♂ ☾ ☾, ♂ ♀ ☾.	
24	Th.	♀ in Aphelion. <i>Some</i>	
25	Fr.	St. James. <i>DOG-DAYS</i> BEGIN. <i>showers.</i>	
26	Sa.	St. Anne. ♂ ♀ ☾, ♂ ☾ ☾.	
27	E	7th Sunday after Trinity.	
28	Mo.	♂ 24th. G. P. Marsh, many years Amerl- can minister at Rome, died, 1882.	
29	Tu.	<i>Fair but hot.</i>	
30	W.	Revolution in France, 1830.	
31	Th.	☾ in Apo. Very low tides.	

1884.]

AUGUST, EIGHTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.
	1	17	N49	7	16	12	13	14	25	19	12	30	25	10	28
	2	17	34	8	15	55	14	14	6	20	12	10	26	10	7
	3	17	18	9	15	37	15	13	48	21	11	50	27	9	46
	4	17	1	10	15	19	16	13	29	22	11	30	28	9	25
	5	16	45	11	15	2	17	13	9	23	11	10	29	9	3
	6	16	29	12	14	43	18	12	50	24	10	49	30	8	42

○ Full Moon, 6th day, 6h. 22m., evening, E.

☾ Last Quarter, 13th day, 10h. 24m., evening, E.

● New Moon, 20th day, 5h. 10m., evening, W.

☾ First Quarter, 28th day, 10h. 58m., morning, E.

Day of the Year.	Day of Month.	Day of Week.	☉		Length of Days.	Day's Decre.	Sun Slow.	Moon's Age.	Full Sea, Boston.		☾'s Place.	☾ Sets.	☾ Souths.
			Rises.	Sets.					Morn.	Even.			
214	1	Fr.	4 53	7 19	14 26	0 50	6	10	7 $\frac{1}{4}$	7 $\frac{3}{4}$	thi.	0 26	8 9
215	2	Sa.	4 54	7 18	14 24	0 52	6	11	8 $\frac{1}{4}$	8 $\frac{1}{2}$	thi.	1 8	8 57
216	3	S.	4 55	7 16	14 21	0 55	6	12	9	9 $\frac{1}{2}$	kn.	1 55	9 46
217	4	M.	4 56	7 15	14 19	0 57	6	13	10	10 $\frac{1}{4}$	kn.	2 47	10 35
218	5	Tu.	4 57	7 14	14 17	0 59	6	14	10 $\frac{1}{2}$	11	kn.	3 43	11 23
219	6	W.	4 58	7 13	14 15	1 1	6	○	11 $\frac{1}{4}$	11 $\frac{1}{2}$	legs	rises	morn
220	7	Th.	4 59	7 11	14 12	1 4	5	16	—	0	legs	7 20	0 12
221	8	Fr.	5 07	10 10	14 10	1 6	5	17	0 $\frac{1}{4}$	0 $\frac{1}{2}$	feet	7 53	1 0
222	9	Sa.	5 17	9 14	8 1	8	5	18	0 $\frac{3}{4}$	1 $\frac{1}{4}$	feet	8 25	1 48
223	10	S.	5 27	7 14	5 1	11	5	19	1 $\frac{1}{2}$	1 $\frac{1}{2}$	h'd	8 58	2 37
224	11	M.	5 37	6 14	3 1	13	5	20	2 $\frac{1}{4}$	2 $\frac{1}{2}$	h'd	9 32	3 27
225	12	Tu.	5 47	5 14	1 1	15	5	21	3	3 $\frac{1}{4}$	n'k	10 10	4 18
226	13	W.	5 57	3 13	58 1	18	5	22	3 $\frac{3}{4}$	4 $\frac{1}{4}$	n'k	10 52	5 11
227	14	Th.	5 67	2 13	56 1	20	4	23	4 $\frac{3}{4}$	5 $\frac{1}{4}$	n'k	11 39	6 6
228	15	Fr.	5 77	0 13	53 1	23	4	24	5 $\frac{3}{4}$	6 $\frac{1}{4}$	arm	morn	7 3
229	16	Sa.	5 86	59 13	51 1	25	4	25	6 $\frac{3}{4}$	7 $\frac{1}{2}$	arm	0 33	8 2
230	17	S.	5 96	57 13	48 1	28	4	26	8	8 $\frac{1}{2}$	br.	1 33	9 1
231	18	M.	5 106	56 13	46 1	30	3	27	9	9 $\frac{1}{2}$	br.	2 38	9 58
232	19	Tu.	5 126	54 13	42 1	34	3	28	10	10 $\frac{1}{2}$	h'rt	3 45	10 54
233	20	W.	5 136	53 13	40 1	36	3	●	11	11 $\frac{1}{4}$	h'rt	sets	11 47
234	21	Th.	5 146	51 13	37 1	39	3	1	11 $\frac{3}{4}$	—	bel.	7 6	0 38
235	22	Fr.	5 156	50 13	35 1	41	3	2	0	0 $\frac{1}{2}$	bel.	7 38	1 26
236	23	Sa.	5 166	48 13	32 1	44	2	3	1	1 $\frac{1}{4}$	rei.	8 9	2 13
237	24	S.	5 176	46 13	29 1	47	2	4	1 $\frac{3}{4}$	2	rei.	8 39	2 59
238	25	M.	5 186	45 13	27 1	49	2	5	2 $\frac{1}{4}$	2 $\frac{1}{2}$	sec.	9 12	3 44
239	26	Tu.	5 196	43 13	24 1	52	1	6	3	3 $\frac{1}{4}$	sec.	9 46	4 30
240	27	W.	5 206	42 13	22 1	54	1	7	3 $\frac{3}{4}$	4 $\frac{1}{4}$	sec.	10 23	5 16
241	28	Th.	5 216	40 13	19 1	57	1	8	4 $\frac{1}{2}$	5	thi.	11 4	6 3
242	29	Fr.	5 226	38 13	16 2	0	1	9	5 $\frac{1}{2}$	6	thi.	11 48	6 50
243	30	Sa.	5 236	37 13	14 2	2	0	10	6 $\frac{1}{2}$	7	kn.	morn	7 38
244	31	S.	5 246	35 13	11 2	5	0	11	7 $\frac{1}{2}$	8	kn.	0 38	8 26

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AUGUST, 1885, MONTH

ASTRONOMICAL CALCULATIONS

- ☉ Full Moon, 6th day, 6h. 22m. evening, E.
- ☾ Last Quarter, 15th day, 10h. 24m. evening, E.
- ☉ New Moon, 24th day, 6h. 10m. evening, E.
- ☾ First Quarter, 22th day, 10h. 43m. morning, E.

Day	Hour	Min.	Sec.	Lat.	Long.	Alt.	Dist.	Mag.	Color	Notes
1	12	00	00	0	0	0	0	0	0	
2	12	00	00	0	0	0	0	0	0	
3	12	00	00	0	0	0	0	0	0	
4	12	00	00	0	0	0	0	0	0	
5	12	00	00	0	0	0	0	0	0	
6	12	00	00	0	0	0	0	0	0	
7	12	00	00	0	0	0	0	0	0	
8	12	00	00	0	0	0	0	0	0	
9	12	00	00	0	0	0	0	0	0	
10	12	00	00	0	0	0	0	0	0	
11	12	00	00	0	0	0	0	0	0	
12	12	00	00	0	0	0	0	0	0	
13	12	00	00	0	0	0	0	0	0	
14	12	00	00	0	0	0	0	0	0	
15	12	00	00	0	0	0	0	0	0	
16	12	00	00	0	0	0	0	0	0	
17	12	00	00	0	0	0	0	0	0	
18	12	00	00	0	0	0	0	0	0	
19	12	00	00	0	0	0	0	0	0	
20	12	00	00	0	0	0	0	0	0	
21	12	00	00	0	0	0	0	0	0	
22	12	00	00	0	0	0	0	0	0	
23	12	00	00	0	0	0	0	0	0	
24	12	00	00	0	0	0	0	0	0	
25	12	00	00	0	0	0	0	0	0	
26	12	00	00	0	0	0	0	0	0	
27	12	00	00	0	0	0	0	0	0	
28	12	00	00	0	0	0	0	0	0	
29	12	00	00	0	0	0	0	0	0	
30	12	00	00	0	0	0	0	0	0	

AUGUST hath 31 days.

[1884.]



The whispering waves were half asleep,
 The clouds were gone to play,
 And on the bosom of the deep
 The smile of Heaven lay. — SHELLEY.

M. D.	W. D.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Fr.	Lammas Day. <i>Hot,</i>	It is worth while now to keep down the weeds, so as not to let them go to seed, and to keep the ground soft around young trees. Pinch off shoots that seem to grow too fast and long on trees, blackberry, and other shrubs. Keep a sharp eye for the black knot on the plum and the fire blight on the pear trees, and cut off and burn the limbs that suffer worst. Where the drought checks the growth of young trees, give them a mulch of old straw or hay. Poor salt or swale hay is good for this use. It is time to bud the cherry, plum, pear, and early apple trees. To bud the peach and the quince, take the last of the month. Pick early pears, to ripen in the house. Set out strawberry plants on soil free from weeds. If they are dug up so as not to break the fine roots, or lifted up with a spade, and set with care in a rich soil well stuffed with manure, they will get some growth through the fall. Tread the earth firmly round the plants to keep them from being thrown up by the frost. Cut the brush along the walls in the pastures and the mowing lots. Clean out the ditches in the low lands, and dig drains where they will do the most good, and take off the water. Cut green corn for the cows.
2	Sa.	☾ runs low. ♀ stat.	
3	E	8th Sunday after Trinity.	
4	Mo.	{ 1st. Abolition of slavery in British Colonies, 1834.	
5	Tu.	{ 11th. Thaddeus Stevens died, 1868.	
6	W.	Transfiguration. <i>with</i>	
7	Th.	♂ ♀ ☉. <i>showers.</i>	
8	Fr.	Length of night 9h. 50m.	
9	Sa.	High tides. <i>A</i>	
10	E	9th Sun. af. Tr. St. Lawrence.	
11	Mo.	10th. ♀ in ☿. <i>cola</i>	
12	Tu.	{ Columbus sail'd from Spain to discover America, 1492.	
13	W.	15th. Napoleon born, 1769.	
14	Th.	♂ ♀ ☾, ☐ ♀ ☉. Low tides.	
15	Fr.	Assum. of V. Mary. ♀ gr. h. l. S.	
16	Sa.	☾ runs high. ☾ in Perig.	
17	E	10th Sun. aft. Tr. ♂ ♀ ☾.	
18	Mo.	16th. ♂ ♀ ☾. <i>rain</i>	
19	Tu.	17th. ♀ at gr. brilliancy.	
20	W.	Very high tides. ♂ ♀ ☾.	
21	Th.	20th. ♀ in Aphelion,	
22	Fr.	♂ ♀ ☾, ♂ ♀ ☾. <i>storm</i>	
23	Sa.	♂ ♀ ☾. ♀ gr. elong. E.	
24	E	11th S. af. Tr. St. Bartholomew.	
25	Mo.	24th. ♂ ♀ ☾.	
26	Tu.	☿ stat. <i>about</i>	
27	W.	{ 29th. Terr. storm on the Grand Banks, 1881; many lives lost.	
28	Th.	St. Augustine. ☾ in Apogee. <i>this</i>	
29	Fr.	Behead. of St. John Baptist. <i>time.</i>	
30	Sa.	☾ ru. low. Very low tides.	
31	E	12th Sun. aft. Tr. ♂ in ☿.	

1884.]

SEPTEMBER, NINTH MONTH.

ASTRONOMICAL CALCULATIONS.

Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.
1	7 N 58	7	5 45	13	3 28	19	1 9	25	1 12		
2	7 36	8	5 22	14	3 5	20	0 45	26	1 35		
3	7 14	9	4 59	15	2 42	21	0 N 22	27	1 59		
4	6 52	10	4 37	16	2 18	22	0 S 1	28	2 22		
5	6 30	11	4 14	17	1 55	23	0 25	29	2 45		
6	6 7	12	3 51	18	1 32	24	0 48	30	3 9		

○ Full Moon, 5th day, 6h. 12m., morning, W.

☾ Last Quarter, 12th day, 3h. 32m., morning, E.

● New Moon, 19th day, 4h. 53m., morning, E.

☽ First Quarter, 27th day, 5h. 37m., morning, W.

Day of the Year.	Day of Month.	Day of Week.	☾	Rises.	Sets.	Length of Days.	Day's Decre.	Sun East.	Moon's Age.	Full Sea, Boston.	☽'s	☽	☽
				h. m. h.	m. h.	m. h.	h. m.	m. h.	h.	Morn. h. Even h.	Place.	h. m. h.	Souths. m.
245	1	M.	5	25 6 33	13	8 2 8	0 12	8 $\frac{1}{2}$	8 $\frac{3}{4}$	kn.	1 32	9 15	
246	2	Tu.	5	26 6 32	13	6 2 10	1 13	9 $\frac{1}{4}$	9 $\frac{1}{2}$	legs	2 29	10 4	
247	3	W.	5	27 6 30	13	3 2 13	1 14	10	10 $\frac{1}{4}$	legs	3 29	10 53	
248	4	Th.	5	28 6 28	13	0 2 16	1 15	10 $\frac{3}{4}$	11	feet	4 33	11 42	
249	5	Fr.	5	29 6 26	12	5 2 19	2 0	11 $\frac{1}{4}$	11 $\frac{1}{2}$	feet	rises	morn	
250	6	Sa.	5	31 6 25	12	5 4 22	2 17	—	0	h'd	6 59	0 31	
251	7	S.	5	32 6 23	12	5 1 25	2 18	0 $\frac{1}{4}$	0 $\frac{1}{2}$	h'd	7 34	1 22	
252	8	M.	5	33 6 21	12	4 8 28	3 19	1	1 $\frac{1}{2}$	h'd	8 11	2 13	
253	9	Tu.	5	34 6 20	12	4 6 30	3 20	1 $\frac{3}{4}$	2 $\frac{1}{4}$	n'k	8 52	3 7	
254	10	W.	5	35 6 18	12	4 3 33	3 21	2 $\frac{1}{2}$	3	n'k	9 38	4 2	
255	11	Th.	5	36 6 16	12	4 0 36	4 22	3 $\frac{1}{2}$	4	arm	10 30	4 59	
256	12	Fr.	5	37 6 15	12	3 8 38	4 23	4 $\frac{1}{2}$	5	arm	11 27	5 57	
257	13	Sa.	5	38 6 13	12	3 5 41	4 24	5 $\frac{1}{2}$	6	br.	morn	6 54	
258	14	S.	5	39 6 11	12	3 2 44	5 25	6 $\frac{3}{4}$	7 $\frac{1}{4}$	br.	0 28	7 51	
259	15	M.	5	40 6 9	12	2 29 47	5 26	7 $\frac{3}{4}$	8 $\frac{1}{4}$	h'rt	1 33	8 46	
260	16	Tu.	5	41 6 7	12	2 26 50	5 27	8 $\frac{3}{4}$	9 $\frac{1}{4}$	h'rt	2 39	9 39	
261	17	W.	5	42 6 5	12	2 23 53	6 28	9 $\frac{3}{4}$	10 $\frac{1}{4}$	bel.	3 45	10 29	
262	18	Th.	5	43 6 4	12	2 21 55	6 29	10 $\frac{1}{2}$	11	bel.	4 51	11 18	
263	19	Fr.	5	44 6 2	12	18 2 58	7 0	11 $\frac{1}{2}$	11 $\frac{3}{4}$	rei.	sets	0 5	
264	20	Sa.	5	46 6 0	12	14 3 2	7 1	—	0	rei.	6 38	0 51	
265	21	S.	5	47 5 58	12	11 3 5	7 2	0 $\frac{1}{2}$	0 $\frac{3}{4}$	rei.	7 10	1 37	
266	22	M.	5	48 5 56	12	8 3 8	8 3	1 $\frac{1}{4}$	1 $\frac{1}{2}$	sec.	7 44	2 23	
267	23	Tu.	5	49 5 55	12	6 3 10	8 4	1 $\frac{3}{4}$	2 $\frac{1}{4}$	sec.	8 20	3 9	
268	24	W.	5	50 5 53	12	3 3 13	8 5	2 $\frac{1}{2}$	2 $\frac{3}{4}$	thi.	8 59	3 56	
269	25	Th.	5	51 5 51	12	0 3 16	9 6	3 $\frac{1}{4}$	3 $\frac{1}{2}$	thi.	9 42	4 43	
270	26	Fr.	5	52 5 49	11	57 3 19	9 7	4	4 $\frac{1}{4}$	thi.	10 29	5 30	
271	27	Sa.	5	53 5 48	11	55 3 21	9 8	4 $\frac{3}{4}$	5 $\frac{1}{4}$	kn.	11 20	6 18	
272	28	S.	5	54 5 46	11	52 3 24	10 9	5 $\frac{3}{4}$	6 $\frac{1}{4}$	kn.	morn	7 6	
273	29	M.	5	55 5 44	11	49 3 27	10 10	6 $\frac{3}{4}$	7 $\frac{1}{4}$	legs	0 15	7 54	
274	30	Tu.	5	56 5 42	11	46 3 30	10 11	7 $\frac{3}{4}$	8	legs	1 14	8 42	

September 29th 1884

Mrs. Harriet Peirce Died
age 90 years, 3 months, 3 days

Benjamin Chase died in
this town Oct. 11th 1884
age 90 years, & some months

SEPTEMBER hath 30 days.

[1884.]



The autumn time has come ;
On woods that dream of bloom,
And over purpling vines,
The low sun fainter shines. — WHITTIER.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Mo.	<i>Very fine</i>	It is high time to cut up corn for the silo. If sown at the right time in June, it is now at its best, both as to quantity and quality, and may be cut and packed down to be fed, as the winter comes on, in the shape of ensilage. There is still some doubt as to the economy of this mode of handling it, but those who have tried it claim that it is the true way of saving it as the food of stock, and that they can make milk at a less cost than by the old method of feeding on hay alone. It gives a chance for a change of food, and some green and juicy feed in winter is just what cattle want. Fed with a little cotton seed, or Indian meal, or shorts, it seems to add to the yield of milk, and to keep up the health and condition better than hay alone. The cows will be apt to fall off in milk as the cool nights come on unless you give them a little extra feed and a little more care. Some folks keep them in the barn every night through the year, and it is, perhaps, the best way: but if they have been left in the yard it will be best to put them up now and feed them night and morning. It does n't pay to turn them into the fall feed in the mowing lots unless you have manure enough to put on a top-dressing to make up for it.
2	Tu.	State election (biennial) in Vermont.	
3	W.	<i>but hot.</i>	
4	Th.	French Republic proclaimed, 1870.	
5	Fr.	DOG-DAYS END.	
6	Sa.	♂ stat. <i>Cooler.</i>	
7	E	13th Sunday after Trinity. <i>Now look</i>	
8	Mo.	Nativ. of V. Mary. { State election (biennial) in Maine.	
9	Tu.	♂ gr. h. lat. S. High tides.	
10	W.	☾ in Perigee. ♂ ♀ ☾.	
11	Th.	Length of night 11h. 21m.	
12	Fr.	☾ runs high. ♂ ♀ ☾.	
13	Sa.	{ Tel-el-Kebir stormed and Turkish army easily routed by British, 1882.	
14	E	14th Su. aft. Tr. Low tides.	
15	Mo.	♂ ♂ ☾. <i>out for</i>	
16	Tu.	☾ ♀ ☾, ♂ ♀ ☾.	
17	W.	{ 14th. New Style introduced into Eng. and col.; day after Sept. 2, 1753, called Sept. 14, 11 days	
18	Th.	High tides. { being dropped.	
19	Fr.	♂ ♀ ☾, ♂ ♀ ☾, ♂ ♀ ☾ inf.	
20	Sa.	♂ ♀ ☾. 19th. Garfield died. 1881.	
21	E	15th Su. aft. Tr. St. Matthew.	
22	Mo.	♂ ♂ ☾. ☾ ent. ☾. { AUTUMN BEGINS.	
23	Tu.	Days and nights nearly equal.	
24	W.	21st. ♀ gr. elong. W.	
25	Th.	28th. Very low tides.	
26	Fr.	☾ runs low. ☾ in Apogee.	
27	Sa.	28th. ♀ in ☾, ♂ stat.	
28	E	16th Sunday after Trinity. <i>a storm.</i>	
29	Mo.	St. Michael.	
30	Tu.	St. Jerome. Whitefield died, 1770.	

1884.]

OCTOBER, TENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.
1	3	32	7	5 51	13	8 7	19	10 19	25	12 25
2	3	55	8	6 13	14	8 29	20	10 40	26	12 45
3	4	18	9	6 36	15	8 51	21	11 1	27	13 6
4	4	42	10	6 59	16	9 13	22	11 23	28	13 26
5	5	5	11	7 22	17	9 35	23	11 44	29	13 46
6	5	28	12	7 44	18	9 57	24	12 4	30	14 5

- Full Moon, 4th day, 5h. 16m., evening, E.
 ☾ Last Quarter, 11th day, 9h. 45m., morning, W.
 ● New Moon, 18th day, 7h. 47m., evening, W.
 ☽ First Quarter, 27th day, 0h. 10m., morning, W.

Day of the year.	Day of Month.	Day of the week.	☉		Length of Days.	Day's Decre.		Sun East.	Moon West.	Full Sea, Boston.	☾'s		☾ South.	
			Rises.	Sets.		Place.	Sets.							
h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	m.	m.	Morn.	Even.	h.	h. m.	h. m.	
275	1	W.	5	57	5 41	11 44	3 32	11 12	8 1	9	legs	2 15	9 31	
276	2	Th.	5	59	5 39	11 40	3 36	11 13	9 1	9 3	feet	3 19	10 20	
277	3	Fr.	6	0	5 37	11 37	3 39	11 14	10	10 4	feet	4 25	11 11	
278	4	Sa.	6	1	5 36	11 35	3 41	11	○ 10 3	11	h'd	5 34	morn	
279	5	S.	6	2	5 34	11 32	3 44	12 16	11 1	11 3	h'd	rises	0 3	
280	6	M.	6	3	5 32	11 29	3 47	12 17	—	0 4	n'k	6 48	0 57	
281	7	Tu.	6	4	5 30	11 26	3 50	12 18	0 1	1	n'k	7 34	1 54	
282	8	W.	6	5	5 29	11 24	3 52	13 19	1 1	1 3	arm	8 25	2 52	
283	9	Th.	6	6	5 27	11 21	3 55	13 20	2 1	2 3	arm	9 21	3 51	
284	10	Fr.	6	8	5 25	11 17	3 59	13 21	3 1	3 3	br.	10 22	4 50	
285	11	Sa.	6	9	5 24	11 15	4 1	13 22	4 1	4 3	br.	11 26	5 47	
286	12	S.	6	10	5 22	11 12	4 4	14 23	5 1	5 3	h'rt	morn	6 42	
287	13	M.	6	11	5 20	11 9	4 7	14 24	6 1	7	h'rt	0 32	7 35	
288	14	Tu.	6	12	5 19	11 7	4 9	14 25	7 1	8	bel.	1 37	8 25	
289	15	W.	6	13	5 17	11 4	4 12	14 26	8 1	9	bel.	2 41	9 13	
290	16	Th.	6	15	5 16	11 1	4 15	15 27	9 1	9 3	bel.	3 44	10 0	
291	17	Fr.	6	16	5 14	10 58	4 18	15 28	10 1	10 3	rei.	4 46	10 46	
292	18	Sa.	6	17	5 12	10 55	4 21	15	● 11	11 1	rei.	5 47	11 32	
293	19	S.	6	18	5 11	10 53	4 23	15	1 11	—	sec.	sets	0 17	
294	20	M.	6	19	5 9	10 50	4 26	15	2	0	1	sec.	6 18	1 3
295	21	Tu.	6	21	5 8	10 47	4 29	15	3	0 3	1	sec.	6 56	1 50
296	22	W.	6	22	5 6	10 44	4 32	16	4	1 1	1 1	thi.	7 37	2 37
297	23	Th.	6	23	5 5	10 42	4 34	16	5	2	2 4	thi.	8 23	3 24
298	24	Fr.	6	24	5 3	10 39	4 37	16	6	2 3	3	kn.	9 12	4 11
299	25	Sa.	6	25	5 2	10 37	4 39	16	7	3 1	3 3	kn.	10 5	4 59
300	26	S.	6	27	5 1	10 34	4 42	16	8	4	4 1	kn.	11 1	5 46
301	27	M.	6	28	4 59	10 31	4 45	16	9	5	5 1	legs	11 59	6 33
302	28	Tu.	6	29	4 58	10 29	4 47	16	10	6	6 1	legs	morn	7 20
303	29	W.	6	30	4 56	10 26	4 50	16	11	7	7 1	feet	1 0	8 8
304	30	Th.	6	32	4 55	10 23	4 53	16	12	7 3	8 1	feet	2 4	8 57
305	31	Fr.	6	33	4 54	10 21	4 55	16	13	8 1	9	h'd	3 10	9 48

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Mrs. Judith Burnell died Oct^r
— aged 86 years, and some months

Stephen Gorham the 20th
aged 63 years, 1 month, & 3 days

Barzillai Worth, aged 85 years
6 months, & 3 days

Embrace Bullad, aged 73 y^r, 3 mo^s

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15	V
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17	F
18	S
19	
20	M
21	T
22	F
23	S
24	
25	M
26	T
27	F
28	S
29	
30	M
31	T

OCTOBER hath 31 days.

[1884.]



There wrought the busy harvesters; and many a creaking wain
Bore slowly to the long barn floor its load of husk and grain;
Till broad and red, as when he rose, the sun sank down at last,
And like a merry guest's farewell, the day in brightness passed.

WHITTIER.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	W.	{ Legislature (biennial) meets in Vermont. <i>Fine,</i>	WINTER pears and other fruits
2	Th.	Sam Adams died, 1803. <i>with</i>	are to be left on the trees till there
3	Fr.	{ in Perih. { Geo. Bancroft born, 1800.	is risk of a hard frost. All fruits
4	Sa.	{ eclipsed, vis. <i>hard</i>	that are worth much ought to be
5	E	17th Sun. aft. Tr. $\frac{1}{2}$ stat.	picked by hand. A rub or a bruise
6	Mo.	$\delta \varphi \gamma$. 5th. δ gr. elong. E.	will make it hard to keep them till
7	Tu.	ζ in Per. Very high tides.	they are fit to eat or to sell. Fall
8	W.	{ Great Chicago fire, 1871. 7th. $\delta \psi \zeta$.	pears ought to be picked a few
9	Th.	κ ru. high. $\delta \varpi \delta$, $\delta \frac{1}{2} \zeta$.	days before they are ripe. All
10	Fr.	12th. R. E. Lee died, 1870. <i>frost.</i>	fruits to be sold should be sorted
11	Sa.	L. of ni. 12h. 46m. φ in Ω .	out with great care into three lots,
12	E	18th Sunday after Trinity.	extra fine, middling, and poor.
13	Mo.	δ gr. hel. lat. N. <i>Wind</i>	The choice lot will sell for more
14	Tu.	$\delta \gamma \zeta$. Low tides.	than the whole would bring, put in
15	W.	$\delta \varphi \zeta$. <i>and</i>	pell-mell, and you'll get up a name
16	Th.	$\delta \varpi \zeta$. { 19th. Surrender of Cornwallis, 1781.	that will sell your crop at a high
17	Fr.	$\delta \varphi \zeta$. <i>rain.</i>	price when other folks have to
18	Sa.	St. Luke Ev. \odot ecl., inv. in U.S.	stand round and wait for a bid. A
19	E	19th Sun. af. Tr. Hi. tides.	man whose fruit, whose butter,
20	Mo.	<i>Very fine,</i>	whose eggs, or what not, are known
21	Tu.	$\delta \gamma \zeta$. { Columbus discovered America, 1492.	to be first rate every time can sell
22	W.	Revocation of Edict of Nantes, 1685.	his load and be off. It does n't pay,
23	Th.	κ runs low. ζ in Apogee.	in the long run, to "deacon"
24	Fr.	Daniel Webster died, 1852. <i>with</i>	things, put the best at the top, and
25	Sa.	St. Crispin. <i>cool</i>	cover up a lot of poor truck, for it
26	E	20th Sunday after Trinity.	will soon be found out. A good
27	Mo.	Very low tides. <i>winds.</i>	name goes some way in trade, as
28	Tu.	St. Simon & St. Jude.	well as in social life, and you might
29	W.	<i>Unsettled</i>	find it to be better than riches.
30	Th.	John A. Andrew died, 1867.	The fall work must be pushed on
31	Fr.	All-Hallows Eve. <i>weather.</i>	now. The corn ought to come in
			soon, the roots dug up and stored,
			so that the close of the month
			may end the harvest, and see the
			boys all in school. I hope they are
			ready to go and make the best of it.

1884.]

NOVEMBER, ELEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.
	1	14	S.44	7	16	33	13	18	13	19	19	41	25	20	56
	2	15	3	8	16	51	14	18	28	20	19	55	26	21	7
	3	15	21	9	17	8	15	18	44	21	20	8	27	21	18
	4	15	40	10	17	24	16	18	59	22	20	20	28	21	29
	5	15	58	11	17	41	17	19	13	23	20	33	29	21	39
	6	16	16	12	17	57	18	19	27	24	20	45	30	21	48

○ Full Moon, 3d day, 3h. 52m., morning, W.

☾ Last Quarter, 9th day, 6h. 28m., evening, E.

● New Moon, 17th day, 1h. 27m., evening, W.

☽ First Quarter, 25th day, 5h. 32m., evening, E.

Day of the Year.	Day of Month.	Day of the Week.	☉	Rises.	Sets.	Length of Days.	Day's Decre.	Sun Fast.	Moon's Age.	Full Sea, Boston.	☽'s Place.	☽ Sets.	☽ Souths.
				h. m. h. m.	h. m. h. m.	h. m. h. m.	h. m.	m.		Morn. Even.	h. m. h. m.	h. m. h. m.	h. m. h. m.
306	1	Sa.	6 34 4 53	10 19 4 57	16 14	9 14	9 34	h'd	4 19	10 41			
307	2	S.	6 35 4 51	10 16 5 0	16 15	10 14	10 12	n'k	5 30	11 37			
308	3	M.	6 37 4 50	10 13 5 3	16 16	11 11	11 12	n'k	rises	morn			
309	4	Tu.	6 38 4 49	10 11 5 5	16 17	11 34	—	arm	6 13	0 36			
310	5	W.	6 39 4 48	10 9 5 7	16 18	0 14	0 12	arm	7 10	1 37			
311	6	Th.	6 40 4 46	10 6 5 10	16 19	1 14	1 12	br.	8 11	2 39			
312	7	Fr.	6 42 4 45	10 3 5 13	16 20	2 24	2 22	br.	9 17	3 39			
313	8	Sa.	6 43 4 44	10 1 5 15	16 21	3 34	3 32	h'rt	10 23	4 37			
314	9	S.	6 44 4 43	9 59 5 17	16 22	4 44	4 42	h'rt	11 30	5 31			
315	10	M.	6 46 4 42	9 56 5 20	16 23	5 54	5 52	h'rt	morn	6 23			
316	11	Tu.	6 47 4 41	9 54 5 22	16 24	6 14	6 12	bel.	0 34	7 19			
317	12	W.	6 48 4 40	9 52 5 24	16 25	7 14	7 12	bel.	1 37	7 59			
318	13	Th.	6 49 4 39	9 50 5 26	15 26	8 14	8 12	rei.	2 39	8 44			
319	14	Fr.	6 51 4 38	9 47 5 29	15 27	9 9	9 7	rei.	3 39	9 29			
320	15	Sa.	6 52 4 37	9 45 5 31	15 28	9 34	10 14	sec.	4 38	10 14			
321	16	S.	6 53 4 36	9 43 5 33	15 29	10 12	11 12	sec.	5 37	11 0			
322	17	M.	6 54 4 35	9 41 5 35	15 15	11 14	11 14	sec.	sets	11 46			
323	18	Tu.	6 56 4 35	9 39 5 37	14 1	—	0	thi.	5 34	0 33			
324	19	W.	6 57 4 34	9 37 5 39	14 2	0 14	0 12	thi.	6 18	1 20			
325	20	Th.	6 58 4 33	9 35 5 41	14 3	1 14	1 12	kn.	7 6	2 7			
326	21	Fr.	6 59 4 33	9 34 5 42	14 4	1 12	1 12	kn.	7 58	2 54			
327	22	Sa.	7 0 4 32	9 32 5 44	13 5	2 14	2 12	kn.	8 52	3 41			
328	23	S.	7 2 4 32	9 30 5 46	13 6	2 34	3 34	legs	9 48	4 27			
329	24	M.	7 3 4 31	9 28 5 48	13 7	3 12	3 12	legs	10 47	5 13			
330	25	Tu.	7 4 4 30	9 26 5 50	13 8	4 14	4 14	feet	11 48	5 59			
331	26	W.	7 5 4 30	9 25 5 51	12 9	5 14	5 12	feet	morn	6 46			
332	27	Th.	7 6 4 29	9 23 5 53	12 10	6 14	6 12	feet	0 51	7 35			
333	28	Fr.	7 8 4 29	9 21 5 55	12 11	7 14	7 12	h'd	1 56	8 25			
334	29	Sa.	7 9 4 29	9 20 5 56	11 12	8 14	8 12	h'd	3 4	9 19			
335	30	S.	7 10 4 28	9 18 5 58	11 13	8 14	9 14	n'k	4 15	10 15			

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Nov^r 15th
Mr. Clough High School Teacher
was married in the
North Congregational Church
this morning at 8 O'clock
to Miss Sarah Robinson
Daughter of H. D. Robinson
— W^m D. Clark's Birthday
this 17th day of November

Died Nov^r 1884
E. Macy Song Job, aged
75 years, & 8 days

J. W. Clapp returned from
New Bedford Nov^r 24th 1884
Henry A. returned next
day Nov^r 25th 1884

Song

NOVEMBER hath 30 days.

[1884.]



O month of masks, I hold it plain
That life, not death, at last shall reign;
And so the power that blasts to-day,
But hastes the circuit round to May.

JOEL BENTON.

D.	M.	W.	D.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Sa.			All Saints Day. { 4th. State election in N. H., Conn., and Mass.	TREES and garden shrubs — that is, most of the small fruits — may be transplanted now, and if the work is well done we gain time, and it is better to do it now than to wait till spring. The young trees should have a small mound of earth a foot high round them, or else a stake to brace them against the wind. Some grapes are not more than half hardy, and they should be bent down and partly covered with earth. Strawberry beds ought to have coarse straw, cornstalks, or green boughs laid over them. Grapes and fruit trees may be trimmed now as well as any time. If you know of any one who has better currants or gooseberries than you, get some cuttings, to be buried in damp mould in the cellar, and set as soon as the frost leaves the ground in the spring. It doesn't cost much to have all sorts of small fruits, and they all pay as well as corn or potatoes. Cows in milk, as well as the steers and the young stock, now relish the yellow pumpkins that grew in the cornfield, and they ought to have a feed of them once or twice a day. Don't you think we ought to meet and talk over farm matters a little oftener? We should pick up an idea here and there that would be of use to us. Start up a Farmers' Club. If it is run as it ought to be, it is worth ten times its cost of time and work.
2	E			21st Sunday after Trinity.	
3	Mo.	♄ ♀ ♄.		{ 4th. Presidential election in all the states.	
4	Tu.			♄ in Per. ♄ ♀ ♄, ♄ ♀ ♄ su.	
5	W.	♄ ♀ ♄.		Very high tides.	
6	Th.			♄ runs high. 5th. ♀ in ♄.	
7	Fr.			{ Gen. B. F. Butler elected governor of Massachusetts, 1882.	
8	Sa.			<i>Much finer, but cold.</i>	
9	E			22d Sunday after Trinity.	
10	Mo.			9th and 10th. Great fire in Boston, 1872.	
11	Tu.			St. Martin. ♄ ♄ ♄. <i>Fine</i>	
12	W.			Low tides. { Look out for shooting stars, 13th, 15th, & 14th.	
13	Th.	♄ ♀ ♄, ♄ ♀ ♄, ♄ in Peri.			
14	Fr.	♄ ♀ ♄.		<i>settled</i>	
15	Sa.			Length of night 14h. 16m.	
16	E			23d Su. af. Tr. ♄ in Aph.	
17	Mo.			<i>weather for</i>	
18	Tu.	♄ ♀ ♄.		High tides.	
19	W.			♄ in Apogee. ♄ ♄ ♄.	
20	Th.			♄ runs low. <i>some</i>	
21	Fr.			{ 29d. Thurlow Weed, famous politician and editor, died, aged 85, 1882.	
22	Sa.			St. Cecilia. Very low tides.	
23	E			24th Sunday after Trinity.	
24	Mo.			{ 29th. New York evacuated by British, 1783.	
25	Tu.			St. Catharine. <i>days.</i>	
26	W.	♄ ♄ ♄.		<i>A</i>	
27	Th.			<i>storm.</i>	
28	Fr.			<i>Very cold.</i>	
29	Sa.				
30	E			Advent Sunday. St. Andrew.	

1884.]

DECEMBER, TWELFTH MONTH.

ASTRONOMICAL CALCULATIONS.

Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.	Days.	d. m.
1	21S.57	7	22 43	13	23 13	19	23 26	25	23 23
2	22 6	8	22 49	14	23 17	20	23 27	26	23 20
3	22 14	9	22 55	15	23 19	21	23 27	27	23 18
4	22 22	10	23 0	16	23 22	22	23 27	28	23 15
5	22 30	11	23 5	17	23 24	23	23 26	29	23 11
6	22 37	12	23 9	18	23 25	24	23 25	30	23 7

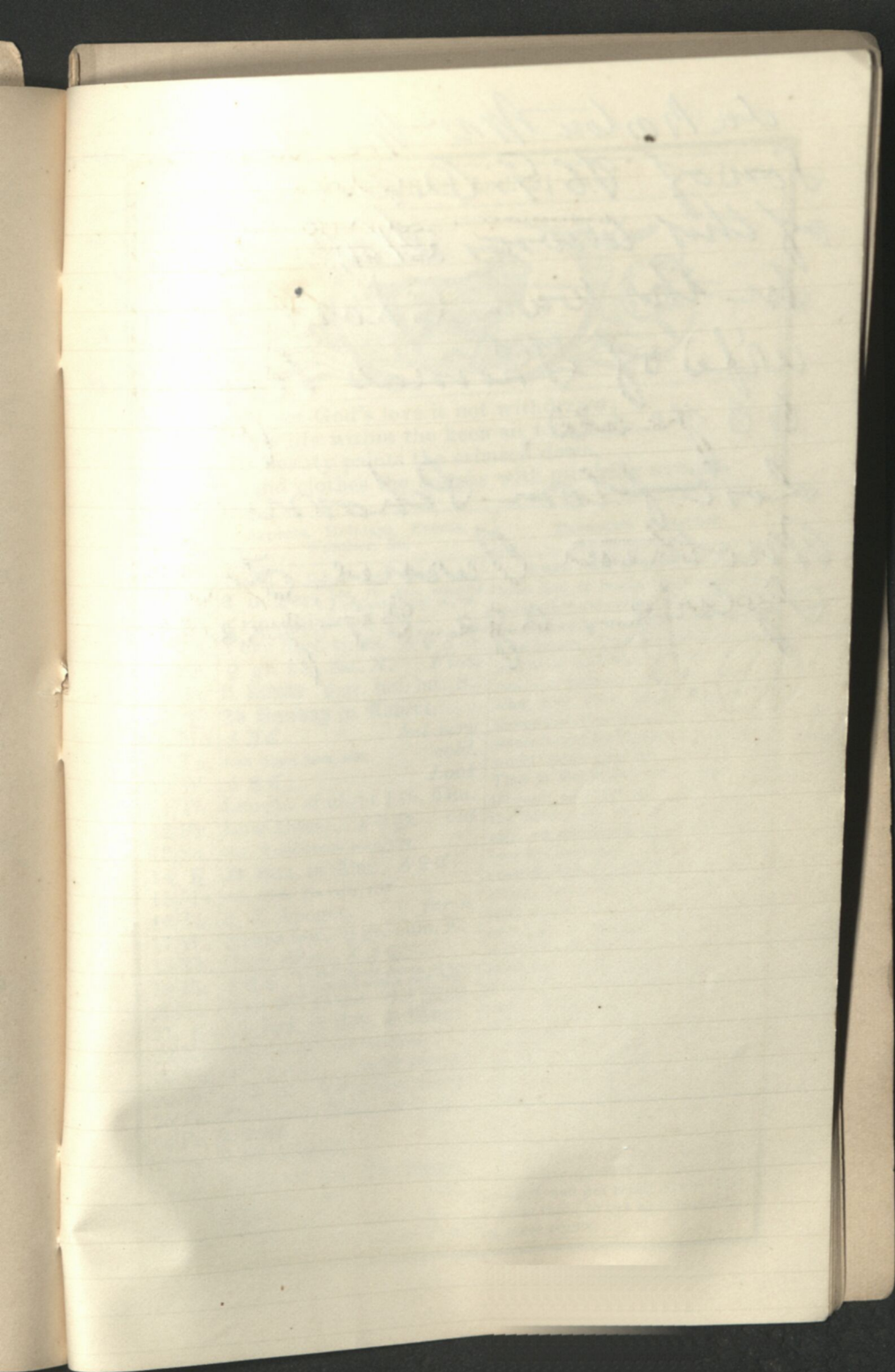
○ Full Moon, 2d day, 2h. 15m., evening, E.

☾ Last Quarter, 9th day, 6h. 46m., morning, W.

● New Moon, 17th day, 8h. 40m., morning, E.

☾ First Quarter, 25th day, 8h. 37m., morning, E.

Day of the Year.	Day of the Month.	Day of the Week.	Rises.	Sets.	Length of Days.	Day's Decr.	Sun. Par.	Moon's Age.	Full Sea, Boston.	Place.	☾'s Sets.	☾ Souths.
			h. m.	h. m.	h. m.	h. m.	m.		Morn. Even.	h.	h. m.	h. m.
336	1	M.	7 11	4 28	9 17	5 59	10 14	9 $\frac{1}{2}$	10	n'k	5 27	11 16
337	2	Tu.	7 12	4 28	9 16	6 0	10	10 $\frac{1}{2}$	11	arm	6 39	morn
338	3	W.	7 13	4 28	9 15	6 1	10	11 $\frac{1}{2}$	—	arm	rises	0 18
339	4	Th.	7 14	4 27	9 13	6 3	9	17	0	0 $\frac{1}{4}$ br.	6 57	1 21
340	5	Fr.	7 15	4 27	9 12	6 4	9	18	1	1 $\frac{1}{4}$ br.	8 6	2 23
341	6	Sa.	7 16	4 27	9 11	6 5	8	19	1 $\frac{3}{4}$	2 $\frac{1}{4}$ h't	9 16	3 21
342	7	S	7 17	4 27	9 10	6 6	8	20	2 $\frac{3}{4}$	3 $\frac{1}{4}$ h't	10 23	4 16
343	8	M.	7 18	4 27	9 9	6 7	8	21	3 $\frac{3}{4}$	4 bel.	11 29	5 8
344	9	Tu.	7 19	4 27	9 8	6 8	7	22	4 $\frac{3}{4}$	5 bel.	morn	5 56
345	10	W.	7 19	4 27	9 8	6 8	7	23	5 $\frac{3}{4}$	6 rei.	0 32	6 43
346	11	Th.	7 20	4 27	9 7	6 9	6	24	6 $\frac{3}{4}$	7 rei.	1 33	7 28
347	12	Fr.	7 21	4 27	9 6	6 10	6	25	7 $\frac{3}{4}$	8 rei.	2 32	8 13
348	13	Sa.	7 22	4 28	9 6	6 10	5	26	8 $\frac{1}{2}$	9 sec.	3 30	8 58
349	14	S	7 23	4 28	9 5	6 11	5	27	9 $\frac{1}{2}$	9 $\frac{3}{4}$ sec.	4 27	9 43
350	15	M.	7 23	4 28	9 5	6 11	4	28	10 $\frac{1}{4}$	10 $\frac{1}{2}$ thi.	5 23	10 30
351	16	Tu.	7 24	4 28	9 4	6 12	4	29	10 $\frac{3}{4}$	11 $\frac{1}{4}$ thi.	6 16	11 17
352	17	W.	7 25	4 29	9 4	6 12	3	● 11 $\frac{1}{2}$	—	thi.	sets	0 4
353	18	Th.	7 25	4 29	9 4	6 12	3	1	0	0 $\frac{1}{4}$ kn.	5 52	0 51
354	19	Fr.	7 26	4 30	9 4	6 12	2	2	0 $\frac{1}{2}$	0 $\frac{3}{4}$ kn.	6 46	1 39
355	20	Sa.	7 26	4 30	9 4	6 12	2	3	1 $\frac{1}{4}$	1 $\frac{1}{4}$ legs	7 42	2 25
356	21	S	7 27	4 31	9 4	Inc.	1	4	1 $\frac{3}{4}$	2 legs	8 40	3 11
357	22	M.	7 27	4 31	9 4	0 0	1	5	2 $\frac{1}{4}$	2 $\frac{1}{2}$ legs	9 39	3 57
358	23	Tu.	7 28	4 32	9 4	0 0	0	6	3	3 $\frac{1}{4}$ feet	10 40	4 42
359	24	W.	7 28	4 32	9 4	0 0	S. 7	3 $\frac{3}{4}$	4 feet	11 42	5 28	
360	25	Th.	7 29	4 33	9 4	0 0	1	8	4 $\frac{1}{2}$	5 h'd	morn	6 16
361	26	Fr.	7 29	4 34	9 5	0 1	1	9	5 $\frac{1}{2}$	5 $\frac{3}{4}$ h'd	0 46	7 6
362	27	Sa.	7 29	4 34	9 5	0 1	2	10	6 $\frac{1}{4}$	6 $\frac{3}{4}$ n'k	1 53	7 59
363	28	S	7 29	4 35	9 6	0 2	2	11	7 $\frac{1}{4}$	7 $\frac{3}{4}$ n'k	3 2	8 55
364	29	M.	7 30	4 36	9 6	0 2	3	12	8 $\frac{1}{4}$	8 $\frac{3}{4}$ arm	4 12	9 55
365	30	Tu.	7 30	4 37	9 7	0 3	3	13	9 $\frac{1}{4}$	9 $\frac{3}{4}$ arm	5 22	10 58
366	31	W.	7 30	4 37	9 7	0 3	4	14	10 $\frac{1}{4}$	10 $\frac{3}{4}$ br.	6 27	morn



In Boston Man M. Dunham
Son of H. F. O. Dunham
of this town, Nov^r 25th.

In this town Charlotte B.
wife of Thomas Ray aged
66 years.

Lost from Schooner
Mother Turner to B.
Sylvia. age 34 years

DECEMBER hath 31 days.

[1884.]



And yet God's love is not withdrawn;
His life within the keen air breathes,
His beauty paints the crimson dawn,
And clothes the boughs with glitt'ring wreaths.

S. LONGFELLOW.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1 Mo.	♂ ♀ ☾	U.S. Congress meets.	THERE was a time when each man had to make his own shoes, weave his own cloth, shoe his own horse, and hew out the frame of his own house. That time has passed, and it is well that it has; for we can get better work from those who give their whole time and thought to one thing. A man who wants to get on in anything in this world must give his mind to it. That is the only way to know it through and through. It is so on the farm, and so in everything else. A mixed farming is the rule here at the East, and it is all well enough, and gives us the means of living; but it does n't prove that it is n't a good plan to work up some one line of culture, and look to that as the money crop of the farm. It matters little what it may be, if it is the very thing that one can do best. It may be bees, or poultry, milk or butter, small fruits or garden vegetables of some kind; or it may be hay, grass, or the raising of stock. Only let it be a product suited to the place, as well as the man. Now that the work outdoors does n't press so very hard, it is just the time to think the thing over, study up what the books say about it, and get ready to act. It is a great thing to get well posted up on these points.
2 Tu.	☾ in Per.	3d. Dr. Tait, archb'op of Canterbury, d., 82.	
3 W.	☾ runs high.	♂ ♀ ☾	
4 Th.	Very high tides.	♂ ♀ ☾	
5 Fr.	♀ gr. hel. lat. N.	<i>Fine,</i>	
6 Sa.	St. Nicholas.	♀ gr. hel. lat. S.	
7 E	2d Sunday in Advent.		
8 Mo.	♂ ♀ ☾	<i>but very cold.</i>	
9 Tu.		John Milton born, 1608.	
10 W.	♂ ♀ ☾	<i>Look</i>	
11 Th.	Length of night 14h. 54m.		
12 Fr.	Low tides.	♂ ♀ ☾ <i>out</i>	
13 Sa.		14th. WASHINGTON DIED, 1799.	
14 E	3d Sun. in Adv.	♂ ♀ ☾	
15 Mo.		16th. Boston Tea Party, 1773.	
16 Tu.	☾ in Apogee.	<i>for a</i>	
17 W.	☾ runs low.	♀ gr. elon. E.	
18 Th.	High tides.	♂ ♀ ☾	
19 Fr.	♂ ♀ ☾	18th. Henry James, philo- sophical author, died, 1882.	
20 Sa.	♂ ♀ ☾	21st. ☾ ent. ♀. WINTER BEGINS.	
21 E	4th Sun. in Adv.	St. Thomas.	
22 Mo.		Shortest days; about 9 hours long.	
23 Tu.	25th. ♀ stat.	<i>snow storm.</i>	
24 W.	☾ ☾ ☾	Very low tides.	
25 Th.	Christmas Day.	♀ in ♀.	
26 Fr.	St. Stephen.	<i>Clear</i>	
27 Sa.	St. John Evangelist.	<i>and</i>	
28 E	1st Su. af. Ch.	Holy Innocents.	
29 Mo.		<i>cold.</i>	
30 Tu.	♂ ♀ ☾	♀ in Per.	
31 W.	☾ r. h., ☾ in Per., ☾ in Per.		

COURTS OF THE UNITED STATES.

(Corrected Sept., 1883.)

Supreme Court, at Washington, D.C.

Court comes in 2d Monday in October.

The Supreme Court of the United States consists of one Chief and eight Associate Justices. There are nine judicial circuits, and to each of these is assigned one of the justices.

There are also nine Circuit Judges, each of whom is to reside in his circuit. The circuits and justices are as follows:—

- First Circuit*, Horace Gray, of Boston, Mass., Associate Justice (Maine, N. H., Mass., R. I.)
Second " Samuel Blatchford, of New York, As. J. (Vt., Conn., N. Y.)
Third " Joseph P. Bradley, of Newark, N. J., As. J. (Penn., N. J., Del.)
Fourth " Morrison R. Waite, of Ohio, Chief Justice. (Md., Va., W. Va., N. C., S. C.)
Fifth " William B. Woods, of Montgomery, Ala., As. J. (Geo., Fla., Ala., Miss., La., Tex.)
Sixth " Stanley Matthews, of Cincinnati, Ohio, As. J. (Ohio, Mich., Ken., Tenn.)
Seventh " John M. Harlan, of Kentucky, As. J. (Ind., Ill., Wis.)
Eighth " Samuel F. Miller, of Keokuk, Iowa, As. J. (Min. Iowa, Mo., Kan., Ark., Neb., Col.)
Ninth " Stephen J. Field, of San Francisco, Cal., As. J. (Cal., Oregon, Nev.)
 Clerk . . . James H. McKenney, Washington, D. C.

U. S. Circuit Courts in 1st and 2d Eastern Circuits.

Connecticut, at N. Haven, 4th Tu. in Apr., and at Hartford, 3d Tu. in Sept.

Maine, at Portland, 23d Apr. and 23d Sept.

Massachusetts, at Boston, May 15 and Oct. 15.

New Hampshire, at Portsmouth, May 8, and at Concord, Oct. 8.

Rhode Island, at Providence, June 15 and Nov. 15.

Vermont, at Windsor, 3d Tu. May, at Rutland, 1st Tu. Oct., and at Burlington, 4th Tu. in Feb.

☞ If the days happen on Sunday, the Court comes in the Monday following.

U. S. District Courts.

Connecticut, at Hartford, 4th Tu. in

May and 1st Tu. Dec.; at New Haven, 4th Tu. in Feb. and Aug.

Maine, at Portland, 1st Tu. in Feb. and Dec.; at Bath, 1st Tu. in Sept.; at Bangor, 4th Tu. in June.

Massachusetts, at Boston, 3d Tu. in Mar., 4th Tu. in June, 2d Tu. in Sept., and 1st Tu. in Dec.

New Hampshire, at Portsmouth, 3d Tu. in Mar. and Sept.; at Concord, 3d Tu. in June and Dec.

Rhode Island, at Newport, 2d Tu. in May and 3d Tu. in Oct.; at Providence, 1st Tu. in February and Aug.

Vermont, at Windsor, 3d Tu. May; at Rutland, 1st Tu. Oct.; at Burlington, 4th Tu. Feb.

U. S. District Courts have jurisdiction in bankruptcy cases *previous to Sept. 1, 1878*, and are always open for such business.

MEETINGS OF COUNTY COMMISSIONERS IN MAINE.

(Corrected Sept., 1883.)

Androscoggin, at Auburn, 1st Tu. Apr. and Oct.

Aroostook, at Houlton, 3d Tu. Jan. and 1st Tu. June and July.

Cumberland, at Portland, terms of record, 1st Tu. Jan. and June; and regular sessions 1st Tu. every other mo.

Franklin, at Farmington, last Tu. Apr. and Dec.

Hancock, at Ellsworth, 4th Tu. Jan. and 2d Tu. Apr. and Oct.

Kennebec, at Augusta, 3d Tu. Apr., Aug., and Dec.

Knox, at Rockland, 1st Tu. Apr. and Dec., and 3d Tu. Aug.

Lincoln, at Wiscasset, 2d Tu. May, 1st Mon. Sept., and last Mon. Dec.

Oxford, at Paris, 2d Tu. May, 1st Tu. Sept., and last Tu. Dec.

Penobscot, at Bangor, 1st Tu. Apr. and Aug., and 2d Tu. Dec.

Piscataquis, at Dover, 1st Tu. Apr., Aug., and Dec.

Sagadahoc, at Bath, 1st Tu. Mar., July, and Nov.

Somerset, at Skowhegan, 1st Tu. Mar. and Aug., and 2d Tu. Dec.

Waldo, at Belfast, 2d Tu. Apr., 3d Tu. Aug. and Dec.

Washington, at Machias, 1st Tu. Jan. and Oct.; and at Calais, 4th Tu. Apr.

York, at Alfred, 2d Tu. April and October.

COURTS IN THE STATE OF RHODE ISLAND.

(Corrected Sept., 1883. Legislature meets in January and May, and may make changes.)

Supreme Court.

Bristol Co., at Bristol, 1st Mon. in Mar., and 2d Mon. in Sept.

Kent Co., at E. Greenwich, 2d Mon. in Mar. and 4th Mon. in Aug.

Newport Co., at Newport, 3d Mon. in Mar. and 3d Mon. in Sept.

Providence Co., at Providence, 4th Mon. in Mar. and 1st Mon. in Oct.

Washington Co., at S. Kingstown, 3d Mon. in Feb. and 3d Mon. in Aug.

Court of Common Pleas.

Bristol Co., at Bristol, 1st Mon. in May and last Mon. in Oct.

Kent Co., at E. Greenwich, 2d Mon. in Apr. and Oct.

Newport Co., at Newport, 3d Mon. in May and Nov.

Providence Co., at Providence, 1st Mon. in Mar., June, Sept., and Dec.

Washington Co., at S. Kingstown, 2d Mon. in May and 1st Mon. in Nov.

COURTS IN THE STATE OF MAINE.

(Corrected Sept., 1883.)

Supreme Judicial Court.

LAW TERMS.

Portland, 3d Tu. July, for counties of Franklin, Oxford, Androscoggin, York, and Cumberland.

Augusta, 4th Tu. May, for Somerset, Knox, Lincoln, Sagadahoc, and Kennebec counties.

Bangor, 3d Tu. June, for counties of Aroostook, Washington, Piscataquis, Hancock, Waldo, and Penobscot.

A meeting of all the justices is held annually at Augusta during the law term; and all undecided questions of law and equity previously submitted are then decided.

TRIAL TERMS.

Androscoggin Co., at Auburn, 3d Tu. Jan., Apr., and Sept.

Aroostook Co., at Houlton, last Tu. Feb. and 3d Tu. Sept.

Cumberland Co., *Civil Business*, at Portland, 2d Tu. Jan., Apr., and Oct.

Franklin Co., at Farmington, 1st Tu. Mar. and 4th Tu. Sept.

Hancock Co., at Ellsworth, 2d Tu. Apr. and Oct.

Kennebec Co., *Civil Business only*, at Augusta, 1st Tu. Mar. and 3d Tu. Oct.

Knox Co., at Rockland, 2d Tu. Mar. and Dec. and 3d Tu. Sept.

Lincoln Co., at Wiscasset, 4th Tu. Apr. and 4th Tu. Oct.

Oxford Co., at Paris, 2d Tu. Mar., 3d Tu. Sept.

Penobscot Co., at Bangor, *Civ. Business*, 1st Tu. Jan., Apr., and Oct.; *Crim. Business*, 1st Tu. Feb. and 2d Tu. Aug.

Piscataquis Co., at Dover, last Tu. Feb. and 2d Tu. Sept.

Sagadahoc Co., at Bath, 1st Tu. Apr. and 3d Tu. in Aug. and Dec.

Somerset Co., at Skowhegan, 3d Tu. Mar., Sept., and Dec.

Waldo Co., at Belfast, 1st Tu. Jan. and 3d Tu. in Apr. and Oct.

Washington Co., at Machias, 1st Tu. Jan. and Oct.; at Calais, 4th Tu. Apr.

York Co., at Saco, 1st Tu. Jan.; at Alfred, 3d Tu. May and 3d Tu. Sept.

Superior Court for Cumberland Co. At Portland, *Civil* only, 1st Tu. Feb., Mar., Apr., Oct., Nov., Dec. *Civil and Criminal*, 1st Tu. Jan., May, and Sept.

Superior Court for Kennebec Co. At Augusta, *Civil*, 1st Tu. Feb., 2d Tu. June. *Civil and Criminal*, 1st Tu. Apr., Sept., and Dec.

COURTS IN THE STATE OF NEW HAMPSHIRE.

(Corrected Sept., 1883.)

Supreme Court.

LAW TERMS.

Two terms are held each year, on the 1st Tu. June and Dec., both at Concord.

TRIAL TERMS.

Belknap Co., at Laconia, 4th Tu. Mar. and Sept.

Carroll Co., at Ossipee, 3d Tu. Apr. and Oct.

Cheshire Co., at Keene, 1st Tu. Apr. and 3d Tu. Oct.

Cooks Co., at Colebrook, 1st Tu. Feb. and Sept., and at Lancaster, 3d Tu. Apr. and Oct.

Grafton Co., at Haverhill, 3d Tu. Mar. and Sept., and at Plymouth, 2d Tu. May and Nov.

Hillsborough Co., at Manchester, 3d Tu. Mar., and at Nashua, 3d Tu. Sept.

Merrimack Co., at Concord, 1st Tu. Apr. and Oct.

Rockingham Co., at Portsmouth, 3d Tu. Oct., and at Exeter, 3d Tu. Jan. and 2d Tu. Apr.

Strafford Co., at Dover, 2d Tu. Feb. and 1st Tu. Sept.

Sullivan Co., at Newport, 4th Tu. Jan. and 1st Tu. Sept.

Probate Courts.

(If the term of a probate court falls on a legal holiday, or day of state elections, said court shall be held on the next secular day after.)

Belknap Co., at Laconia, 3d Tu. of every month.

Carroll Co., at Conway, 1st Tu. Jan., May, and Sept.; at W. Ossipee 1st Tu. Feb., June, and Oct.; at Ossipee Corner, 1st Tu. Mar. July, and Nov.; at Wolfeboro' June, 1st Tu. Apr., Aug., and Dec.

Cheshire Co., at Keene, 1st and 3d Fri. Jan., Feb., Mar., Apr., May, June, Sept., Oct., Nov., and Dec.; 1st Fri. July, and 3d Fri. Aug.

Cooks Co., at Colebrook, last Tu. Jan. and Aug.; at Lancaster, 1st Tu. Jan., Mar., May, July, and Nov.; at Gorham, 1st Tu. Apr. and Oct.

Grafton Co., at Lisbon, 3d Tu. Apr. and Oct.; Plymouth, 2d Tu. May and Nov.; Canaan, 1st Tu. June and Dec.; Haverhill, 3d Tu. Mar. and Sept.; Woodville, 1st Tu. July; Bristol, 3d Tu. July; Littleton, 3d Tu. Jan.; Wentworth, 3d Tu. Aug.; Orford, 3d Tu. Feb.; and Lebanon, 1st Tu. Mar. and Sept.

Hillsborough Co., at Manchester, 3d Tu. Feb., Apr., June, Aug., Oct., and Dec., and 4th Tu. Jan., Mar., May, July, Sept., and Nov.; Nashua, 4th Tu. Feb., Apr., June, Aug., Oct., and Dec.; Franconia, 4th Tu. Aug.; Amherst, Fri. aft. 4th Tu. June and Dec.; Peterborough, Fri. aft. 4th Tu. Feb., May, and Nov.; Greenville, Fri. aft. 4th Tu. Jan. and July; and Milford, Fri. aft. 4th Tu. Mar. and Sept.

Merrimack Co., at Concord, 2d and 4th Tu., every month.

Rockingham Co., at Exeter, Wed. aft. 1st Tu. Apr., Wed. aft. 3d Tu. Feb., Mar., and Aug., and Wed. aft. 2d Tu. each other month; Portsmouth, 3d Tu. Mar., and 2d Tu. Jan., May, July, Sept., and Nov.; Derry, 3d Tu. Feb. and 2d Tu. June and Oct.; and at Raymond, 1st Tu. Apr., 3d Tu. Aug., and 2d Tu. Dec.

Strafford Co., at Dover, 1st Tu. every month; Farmington, 3d Tu. Apr., Aug., and Dec.; Rochester, 3d Tu. Jan., Mar., June, and Oct.; and at Somersworth, 3d Tu. Feb., May, July, Sept., and Nov.

Sullivan Co., at Newport, last Wed. Feb., Apr., June, Aug., Oct., and Dec.; and at Claremont, last Wed. Jan., Mar., May, July, Sept., and Nov.

COURTS IN THE STATE OF VERMONT.

(Corrected Sept., 1883. Legislature meets in October, 1884, and may make changes.)

Supreme Court.

Gen. term at Montpelier, Oct. or Nov.
Addison Co., at Middlebury, 1st Mo. aft. 3d Tu. in Jan.
Bennington Co., at Bennington, 2d Tu. after 4th Tu. in Jan.
Caledonia Co., at St. Johnsbury, 2d Tu. in Oct.
Chittenden Co., at Burlington, 1st Tu. in Jan.
Essex Co., at Guildhall, 4th Tu. in Aug.
Franklin Co., at St. Albans, 1st Th. aft. 2d Tu. in Jan.
Grand Isle Co., at North Hero, 3d Tu. in Jan.
Lamoille Co., at Hyde Park, 3d Tu. in Aug.
Orange Co., at Chelsea, 6th Tu. aft. 4th Tu. in Jan.
Orleans Co., at Irasburg, 1st Th. next aft. 3d Tu. in Aug.
Rutland Co., at Rutland, 1st Th. aft. 4th Tu. in Jan.
Washington Co., at Montpelier, 2d Tu. in Aug.
Windham Co., at Newfane, Mon. following 2d Tu. aft. 4th Tu. in Jan.
Windsor Co., at Woodstock, 1st Th. aft. 4th Tu. next aft. 4th Tu. in Jan.

County Courts.

Addison Co., at Middlebury, 1st Tu. in June and 2d Tu. in Dec.
Bennington Co., at Manchester, 1st Tu. in June, and Bennington, 1st Tu. in Dec.
Caledonia Co., at St. Johnsbury, 1st Tu. in June and Dec.
Chittenden Co., at Burlington, 1st Tu. in Apr. and 3d Tu. in Sept.
Essex Co., at Guildhall, 3d Tu. in Mar. and Sept.
Franklin Co., at St. Albans, 2d Tu. in Apr. and Sept.
Grand Isle Co., at North Hero, last Tu. but one in Feb., and last Tu. in Aug.
Lamoille Co., at Hyde Park, 4th Tu. in Apr. and 1st Tu. in Dec.
Orange Co., at Chelsea, 1st Tu. in June and 3d Tu. in Dec.
Orleans Co., at Irasburg, 1st Wed. aft. 1st Tu. in Sept. and 1st Tu. in Feb.
Rutland Co., at Rutland, 2d Tu. in Mar. and Sept.
Washington Co., at Montpelier, 2d Tu. in Mar. and Sept.
Windham Co., at Newfane, 2d Tu. in Mar. and Sept.
Windsor Co., at Woodstock, 4th Tu. in May, and 1st Tu. in Dec.

COURTS IN THE STATE OF CONNECTICUT.

(Corrected Sept., 1883. Legislature meets in January, and may make changes.)

Supreme Court of Errors.

First Judicial District. (Hartford, Windham, Tolland, Litchfield, and Middlesex Co's), at Hartford, 1st Tu. Jan., Mar., May, and Oct.

Second Judicial District. (New London Co.), at Norwich, last Tu. May and 3d Tu. Oct.

Fairfield Co., at Bridgeport, 3d Tu. in Mar. and 4th Tu. in Oct.

New Haven Co., at New Haven, 1st Tu. in June and Dec.

Superior Court.

Fairfield Co., *Civil only*, at Bridgeport, 2d Tu. Feb.; at Danbury, 3d Tu. Sept. — *criminal, and such civil as may be transferred thereto by the Court*; at Bridgeport, 3d Tu. Feb., 2d Tu. Sept., 3d Tu. Oct.; at Danbury, 2d Tu. May.

Hartford Co., at Hartford, *for civil business only*, 2d Tu. Oct., 4th Tu. Jan.; *for criminal business only*, 1st Tu. Mar., June, and Dec., and 2d Tu. Sept.

Litchfield Co., at Litchfield, 1st Tu. June, *civil causes by Court only*; 3d Tu. Aug. and 1st Tu. Dec., *civil*; 1st Tu. Apr., 2d Tu. Oct., *crim. only*.

Middlesex Co., at Middletown, 2d Tu. Feb. and Nov.; at Haddam, 3d Tu. Apr. and 4th Tu. Sept.

New Haven Co., at Waterbury, 1st Tu. May and 2d Tu. Dec.; *crim.*, 3d Tu. Mar. and Sept. At New Haven, *civil*, 1st Tu. Jan., 4th Tu. Sept.; *crim.* at New Haven, 1st Tu. in Jan., April, July, Oct.

New London Co., at New London, 1st Tu. Jan. (*crim.*), 3d Tu. Mar., 2d Tu. Sept.; at Norwich, 1st Tu. May (*crim.*), 1st Tu. June and 1st Tu. Nov.

Tolland Co., at Tolland, 1st Tu. in June, Sept., and Dec., and 2d Tu. Apr.
Windham Co., at Brooklyn, 1st Tu. Apr., *crim.*; 2d Tu. in May and Nov.; at Windham, 1st Tu. Feb. and 4th Tues. Aug.; 1st Tu. Oct., *crim.*

Writs may be made returnable in the counties of Hartford, New Haven, or Fairfield, on the first Tuesday of any month except July and August.

Courts of Common Pleas.

Fairfield Co., at Danbury, 1st Mo. Jan., Apr., June, Nov.; at Bridgeport, 1st Mon. Feb., Mar., May, Sept., Oct., Dec.; and an adj. term at Norwalk, 3d Mo. Jan. and Oct., and at Stamford, 3d Mo. in May, Dec., for court cases only.

Hartford Co., at Hartford, 1st Mo. in Jan., Mar., May, Sept., and Nov.

Litchfield Co., at Litchfield, 1st Mo. May and 4th Mo. Sept.; at Winchester, 1st Mo. Jan., Apr., and Sept.; at Canaan, 1st Mo. Mar., July, and Nov.; and at New Milford, 1st Mo. Feb. and Aug.

New Haven Co., at New Haven, 1st Mo. in Jan., Mar., May, and Nov., and 3d Mo. Sept.

New London Co., at Norwich, 1st Tu. Feb. and Oct.; at New London, 1st Tu. in Apr. and Aug.

Writs may be made returnable in the county of Hartford on the 1st Monday of any month except July and August, and in the county of New Haven on the 1st and 3d Monday of any month.

The District Court

Of Waterbury includes Waterbury and towns adjoining, also Southbury and Woodbury. Terms, 1st Mo. Jan., to cont. till Fri. bef. 1st Mo. July; and 1st Mo. Sept., to cont. till Fri. bef. Dec. 25.

SUPREME JUDICIAL AND SUPERIOR COURTS IN MASSACHUSETTS.

(Corrected Aug., 1883. Legislature meets in January, and may make changes.)

Supreme Judicial Court.

JURY TERMS.

Barnstable Co., at Barnstable, 1st Tu. of May.

Berkshire Co., at Pittsfield, 2d Tu. of May.

Bristol, Nantucket, and Dukes Cos., at New Bedford, 2d Tu. of Nov.; also at Taunton, 3d Tu. Apr.

Essex Co., at Salem, 3d Tu. of Apr. and 1st Tu. Nov.

Franklin Co., at Greenfield, 2d Tu. of Apr.

Hampden Co., at Springfield, 4th Tu. of Apr.

Hampshire Co., at Northampton, 3d Tu. of Apr.

Middlesex Co., at Lowell, 3d Tu. Apr.; also at Cambridge, 3d Tu. Oct.

Norfolk Co., at Dedham, 3d Tu. Feb.

Plymouth Co., at Plymouth, 2d Tu. May.

Suffolk Co., at Boston, 2d Tu. Sept. and 1st Tu. Apr.

Worcester Co., at Worcester, 2d Tu. Apr.

LAW TERMS.

A law term for the Commonwealth shall be held at Boston on the 1st Wed. of Jan. of each year, which term may be adjourned from time to time, to places and times most conducive to the despatch of business and the interests of the public; and there shall be entered and determined therein questions of law arising in the counties of Barnstable, Middlesex, Norfolk, and Suffolk; and also all questions of law arising in other counties where special provisions are not made therefor.

And law terms of said court shall also annually be held as follows:—

Berkshire Co., at Pittsfield, 2d Tu. of Sept.

Bristol, Nantucket, and Dukes Cos., at Taunton, 4th Tu. Oct.

Essex Co., at Salem, 1st Tu. Nov.

Hampden Co., at Springfield, 2d Mo. after 2d Tu. of Sept.

Hampshire and Franklin Cos., at Northampton, Mo. next after 2d Tu. of Sept.

Plymouth Co., at Plymouth, 3d Tu. Oct.

Worcester Co., at Worcester, 3d Tu. after 2d Tu. Sept.

Superior Court.

Barnstable Co., at Barnstable, Tu. next after 1st Mo. of Apr., and 2d Tu. of Oct.

Berkshire Co., at Pittsfield (*civil*), 4th Mo. of Feb., June, and Oct.; (*crim.*) 2d Mo. of Jan. and July.

Bristol Co., at Taunton, 1st Mo. of Mar. and Sept.; and at New Bedford, 1st Mo. of June and Dec.

Dukes Co., at Edgartown, last Tu. of May and Sept.

Essex Co. (*civil*), at Salem, 1st Mo. of June and Dec.; at Lawrence, 1st Mo. of Mar., and at Newburyport, 1st Mo. of Sept.; (*crim.*) at Lawrence, 1st Mo. of Oct., at Newburyport, 2d Mo. of May, and at Salem, 4th Mo. of Jan.

Franklin Co., at Greenfield, 3d Mo. of Mar., and 2d Mo. of Aug. and Nov.

Hampden Co., at Springfield (*civil*), 2d Mo. of Mar. and June, and 4th Mo. of Oct.; (*crim.*) 3d Mo. of May, and 1st Mo. of Dec.

Hampshire Co., at Northampton, (*civil*) 3d Mo. of Feb., 1st Mo. of June, and 3d Mo. of Oct.; (*crim.*) 2d Mo. of June, and 3d Mo. of Dec.

Middlesex Co. (*civil*), at Lowell, 2d Mo. of Mar., and 1st Mo. of Sept.; at Cambridge, 1st Mo. of June, and 2d Mo. of Dec.; (*crim.*) at Cambridge, 2d Mo. of Feb. and 1st Mo. of June; and at Lowell, 3d Mo. of Oct.

Nantucket Co., at Nantucket, 1st Tu. of July and Oct.

Norfolk Co., at Dedham (*civil*), 4th Mo. in Apr. Sept. and Dec.; (*crim.*) 1st Mo. in Apr. Sept. and Dec.

Plymouth Co., at Plymouth, 2d Mo. of Feb. and June, and 4th Mo. of Oct.

Suffolk Co., at Boston (*civil*), 1st Tu. Jan., Apr., July, and Oct.; (*crim.*) 1st Mo. of every month.

Worcester Co. (*civil*), at Worcester, 1st Mo. of Mar., Mo. next after 4th Mo. of Aug. and 2d Mo. of Dec.; and at Fitchburg, 2d Mo. of June and Nov.; (*crim.*) at Worcester, 3d Mo. of Jan., 2d Mo. of May, and 3d Mo. of Oct.; and at Fitchburg, 2d Mo. of Aug.

MUNICIPAL AND POLICE COURTS IN MASSACHUSETTS.

(Corrected August, 1883.)

Municipal Courts are held, *crim.* daily, *civil* every Sat., in Boston, as follows: In Boston (old city), Roxbury District, South Boston, East Boston District, Winthrop, Dorchester District, Charlestown District, Brighton District, and West Roxbury District.

Police Courts are held daily at Brookline, Chicopee, Fitchburg, Glou-

cester, Holyoke, Lawrence, Lee, Lowell, Lynn, Marlborough, Newton, Somerville, and Williamstown. Also at Chelsea, for Chelsea and Revere; Haverhill, for Haverhill, Bradford, and Groveland; Newburyport, for Newburyport and Newbury; and Springfield, for Springfield, Agawam, Longmeadow, Hampden, West Springfield, and Wilbraham.

DISTRICT COURTS IN MASSACHUSETTS.

(Corrected Aug., 1883. Legislature meets in January, and may make changes.)

No. Berkshire. For the towns of Adams, No. Adams, Cheshire, Clarksburg, Florida, and Savoy, at North Adams, *crim.*, daily, 9 A.M.; *civil*, weekly, at North Adams, and 2d Wed. of each month at Adams.

Central Berkshire. For the towns of Dalton, Hancock, Hinsdale, Lanesborough, Peru, Pittsfield, Richmond, Washington, and Windsor, at Pittsfield, *crim.*, daily, 9 A.M.; *civil*, every Sat.

So. Berkshire. For Alford, Egremont, Great Barrington, Monterey, Mt. Washington, New Marlboro', and Sheffield, at Great Barrington, *crim.*, daily, at 9 A.M.; *civil*, every Sat. at 10 A.M.

1st of Bristol. For Taunton, Rehoboth, Berkley, Dighton, Seekonk, Attleborough, Norton, Mansfield, Easton, and Raynham, at Taunton and Attleborough, *crim.*, daily; *civil*, every Mon.

2d of Bristol. For Fall River, Free-town, Somerset, and Swansea, at Fall River, *crim.*, daily; *civil*, every Mon.

[2d and 3d Dist. Courts of Bristol have concurrent jurisdiction in Westport and Freetown.]

3d of Bristol. For New Bedford, Fairhaven, Acushnet, Dartmouth, and Westport, at New Bedford, *crim.*, daily; *civil*, every Mon.

1st of Essex. For Salem, Beverley, Danvers, Hamilton, Middleton, Topsfield, and Wenham, at Salem, *crim.*, daily, 9 A.M.; *civil*, every Wed.

E. Hampden. For Palmer, Brimfield, Munson, Holland, and Wales, at Palmer, *crim.*, daily, 9 A.M.; *civil*, 1st and 3d Sat. of each month.

Hampshire. For the several towns in the County of Hampshire, at Northampton, on Mo. and Tu. each week; at Amherst, 1st and 3d Wed. each month; at Cummington, 2d Wed. each month; at Belchertown, 1st and 3d Th. each month; at Huntington, 2d and 4th Th. each month; at Ware, 1st, 2d, and 3d Fri. each month; at Easthampton, 2d and 4th Sat. each month.

[The terms at Cummington may be held or not, at the discretion of the justice.]

1st of N. Middlesex. For Ayer, Groton, Pepperell, Townsend, Ashby, Shirley, Westford, Littleton, and Boxborough, at Ayer, *crim.*, daily, 9 A.M.; *civil*, 1st and 3d Mon. of each month.

Central Middlesex. For Acton, Bedford, Carlisle, Concord, Lincoln, Maynard, Stow, and Lexington, at Concord, *crim.*, daily; *civil*, 1st and 3d Wed. of each month.

1st of E. Middlesex. For Wilmington, No. Reading, Reading, Stoneham, Wakefield, Melrose, Malden, Everett, and Medford, *crim.*, at Malden, every Mo., Tu., Fri., and Sat., at Wakefield, every Wed. and Th.; *civil*, weekly, at Malden, Weds. and Wakefield, Weds.

2d of E. Middlesex. For Watertown, Weston, and Waltham, at Waltham, *crim.*, daily; *civil*, once each wk.

3d of E. Middlesex. For Cambridge, Arlington, and Belmont, at Cambridge, *crim.*, daily; *civil*, every Thurs.

4th of E. Middlesex. For Woburn, Winchester, and Burlington, at Woburn, *crim.*, daily, *civil*, every Sat., 10 A.M.

1st of S. Middlesex. For Ashland, Framingham, Holliston, Sherborn, Sudbury, and Wayland, at S. Framingham, *crim.*, daily; *civil*, every Mon.

E. Norfolk. For Randolph, Braintree, Cohasset, Weymouth, Quincy, Holbrook, and Milton, at Quincy, *crim.*, daily, 9 A.M.; *civil*, every Mon.

1st of Plymouth. For Brockton, Bridgewater, E. and W. Bridgewater, at Brockton, *crim.*, daily; *civil*, every Tu.

2d of Plymouth. For Abington, South Abington, Rockland, Hingham, Hull, Hanover, Scituate, So. Scituate, and Hanson, *civil* and *crim.* at Abington, every Mon., Wed., Th., and Sat.; at Hingham, every Tu. and Fri. Writ returnable on Wed.

3d of Plymouth. For Plymouth, Kingston, Plympton, Pembroke, Duxbury, and Marshfield, at Plymouth, *crim.*, daily; *civil*, every Mon.

4th of Plymouth. For Middleborough, Wareham, Lakeville, Marion, Mattapoisett, and Rochester, *civil* and *crim.*, at Middleborough, every Tu., Wed., and Sat., and at Wareham, every Mon., Th., and Fri. Return days for writs in civil actions, at Middleborough, 1st and 3d Tu., at Wareham, 2d and 4th Th., each month.

1st of So. Worcester. For Sturbridge, Southbridge, Charlton, Dudley, Oxford, and Webster, *crim.*, at Southbridge, Mo., Wed., and Fri., and at Webster, Tu., Th., and Sat., 9 A.M.; *civil*, at Southbridge, Mon., Webster, Tu. weekly.

2d of So. Worcester. For Blackstone, Uxbridge, Douglas, and Northbridge, for trials by jury, in Blackstone or Uxbridge, at such times as, in the discretion of the justice, the public convenience may require; when not in session for trials by jury, the court shall be held for *crim.* business in Blackstone, every Mo., Wed., and Fri., in Uxbridge, every Tu., Th., and Sat.; for *civil* business, in Blackstone, every Mo., in Uxbridge, every Sat.

3d of So. Worcester. For Milford, Mendon, and Upton, at Milford, *crim.*, daily; *civil*, 1st and 3d Wed. each mon.

Central Worcester. For Worcester, Millbury, Sutton, Auburn, Leicester, Paxton, W. Boylston, Boylston, Holden, and Shrewsbury, at Worcester, *crim.*, daily, 9 A.M.; *civil*, every Sat.

1st of E. Worcester. For Northborough, Southborough, Westborough, and Grafton, *crim.*, Westborough, every Mo., Wed., and Fri., at Grafton, every Tu., Th., and Sat., 9 A.M.; *civil*, at Westborough, every Mo., at Grafton, every Tu.

2d of E. Worcester. For Clinton, Berlin, Bolton, Harvard, Lancaster, and Sterling, at Clinton, *crim.*, daily; *civil*, 2d and 4th Sat. of each month.

PROBATE COURTS IN MASSACHUSETTS.

(Corrected August, 1883. Legislature meets in January, and may make changes.)

When the appointed day falls on a holiday, the court will be held by adjournment at such time and place as the judge may appoint.

Barnstable. At Barnstable, 2d Tu. Jan., Feb., Mar., Aug., Sept., Dec., and 3d Tu. Apr. and June; Harwich, 2d Mo. after 1st Tu. May, and Mo. after 3d Tu. Oct.; Wellfleet, 3d Tu. May and 4th Tu. Oct.; Provincetown, Wed. after 3d Tu. May, and Wed. after 4th Tu. Oct.; Falmouth, 3d Tu. Nov.

Berkshire. At Pittsfield, 1st Tu. in Jan., Feb., Mar., Apr., May, June, Sept., Oct., and Dec., 3d Tu. July, and Wed. aft. 1st Mo. Nov.; Lee, Wed. aft. 1st Tu. in Jan., Apr., and Oct., and Wed. after 3d Tu. July; Adams, Th. after 1st Tu. Jan. and Oct., Wed. after 1st Tu. Mar., and Th. aft. 3d Tu. in July; Gr. Barrington, Wed. after 1st Tu. in Feb., May, Sept., and Dec.

Bristol. At Taunton, 1st Fri. Mar., June, Sept., Dec.; New Bedford, 1st Fri. Feb., May, Aug., and Nov.; Fall River, 1st Fri. Jan., Apr., July and Oct.

Dukes Co. At Vineyard Haven, 3d Mo. Apr. and 1st Mo. Sept.; Edgartown, 3d Mo. Jan. and July, and 1st Mo. Mar. and Dec.; W. Tisbury, 1st Mo. June, and 3d Mo. Oct.

Essex. At Salem, 1st Mo. each mo., and 3d Mo. each mo. except Aug.; Lawrence, 2d Mo. Jan., Mar., May, June, July, Sept., and Nov.; Haverhill, 2d Mo. Apr. and Oct.; Newburyport, 4th Mo. Jan., Mar., May, June, July, Sept., Nov.; Gloucester, 4th Mo. Apr. and Oct.

Franklin. At Greenfield, 1st Tu. in every mo. except Nov.; Northfield, 2d Tu. May and Sept.; Orange, 2d Tu. Mar. and Dec., and 3d Tu. June; Conway, 3d Tu. May; Shelburne Falls, 2d Tu. Feb., 4th Tu. May, and 4th Tu. Oct.

Hampden. At Springfield, 1st Tu. Jan., Feb., Mar., Apr., May, June, July, Sept., Oct., and Dec.; Palmer, 2d Tu. Feb., May, and Sept., and 4th Tu. Nov.; Westfield, 3d Tu. Feb., May, Sept., Dec.

Hampshire. At Northampton, 1st Tu. of every mo.; Amherst, 2d Tu. Jan., Mar., June, Aug., and Nov.; Belcherstown, 2d Tu. May and Oct., and Williamsburg, 3d Tu. May and Oct.

Middlesex. At Cambridge, 1st, 2d and 4th Tu. ea. mo. ex. Aug.; Lowell, 3d Tu. Jan., Mar., May, July, Sept., Nov.

Nantucket. At Nantucket, on Th. aft. 2d Tu. of every month.

Norfolk. At Dedham, 1st and 3d Wed., Quincy, 2d Wed., Hyde Park, 4th Wed. every month except Aug.

Plymouth. At Plymouth, 2d Mo. each mo. except Feb., July, and Aug.; Abington, 4th Mo. Feb., Mar., Sept., and Dec.; Brockton, 2d Mo. Feb. and July, and 4th Mo. May and Nov.; Middleborough, 4th Mo. Jan., Apr., Aug., and Oct.; Hingham, 4th Mo. in June.

Suffolk. At Boston, every Mo. in the year, except 1st, 2d, and 4th Mo. Aug.

Worcester. At Worcester, 1st and 3d Tu. of every mo. except Aug.; Fitchburg, 4th Tu. ev. mo. ex. July and Aug.; Milford, 2d Tu. Apr. and Sept.; Templeton, 2d Tu. May and Oct.; and Barre, Wed. next aft. 2d Tu. of May and Oct.

COURTS OF INSOLVENCY IN MASSACHUSETTS.

Courts of Insolvency in Mass. are held by the Judges of Probate and Insolventy in each county, at times appointed by themselves.

JUDGES OF PROBATE COURTS IN MASSACHUSETTS.

(Corrected Sept., 1883.)

Barnstable, H. P. Harriman, Wellfleet, Berkshire, J. S. Robinson, No. Adams.

Bristol, Dukes, Joseph T. Pease, Edgartown.

Essex, George F. Choate, Salem.

Franklin, C. C. Conant, Greenfield.

Hampshire, W. G. Bassett, Easthamp'n.

Hampden, W. S. Shurtleff, Springfield.

Middlesex, Geo. M. Brooks, Concord.

Nantucket, T. C. Defriez, Nantucket.

Norfolk, G. White, Newton L. Falls.

Plymouth, Jesse E. Keith, Abington.

Suffolk, John W. McKim, Boston.

Worcester, Adin Thayer, Worcester.

COUNTY COMMISSIONERS' MEETINGS IN MASSACHUSETTS.

(Corrected August, 1883. Legislature meets in January, and may make changes.)

Barnstable. At Barnstable, on the 2d Tu. of Apr. and Oct.

Berkshire. at Pittsfield, on 1st Tu. Jan., Apr., July, and Oct.

Bristol. at Taunton, on 4th Tu. Mar. and Sept.

Dukes Co., at Edgartown, on Wed. next after 3d Mo. of May, and Wed. next aft. 2d Mo. Nov.

Essex, at Ipswich, on 2d Tu. of Apr.; at Salem on the 2d Tu. July; at Newburyport, on the 2d Tu. of Oct.; and at Lawrence, on the last Tu. of Aug.; and on the 4th Tu. of Dec., at Ipswich, Salem, or Newburyport, as they shall order at their next preceding term.

Franklin, at Greenfield, on the 1st Tu. of Mar. and Sept., and the 2d Tu. of June and Dec.

Hampden, at Springfield, on the 2d Tu. of Apr., the 1st Tu. of Oct., and the 4th Tu. of June and Dec.

Hampshire, at Northampton, on 1st Tu. of Mar., Sept., and Dec., and on the Tu. next aft. the 2d Mo. of June.

Middlesex, at Cambridge, on the 1st Tu. of Jan. and the 1st Tu. June; and at Lowell, on the 1st Tu. Sept.

Nantucket, 1st Wed. of each month.

Norfolk, at Dedham, on the 3d Tu. of Apr., the 4th Tu. of June and Sept., and the last Wed. of Dec.

Plymouth, at Plymouth, on the 1st Tu. of Jan., the 3d Tu. of Mar., and the last Tu. of Aug.

Worcester, at Worcester, on the 4th Tu. of Mar., the 3d Tu. of June, the 2d Tu. of Sept., and the 4th Tu. of Dec.

FACTS FOR FARMERS.

A cow in milk requires not only food enough to repair the constant drain on the physical system, but also enough to furnish sufficient material for the constant drain in the production of milk. The yield of milk is largely influenced by the kind and the quantity of food given.

BRAN, or what is sometimes called "middlings," is rich in phosphates, and these are of great value to old lands, or lands long in use, whether for growing crops or grazing. The liberal feeding of bran will be sure to tell upon the quality of the manure heap.

If the casein could be entirely removed from butter it would keep a long time without becoming rancid, and without salt. When it is melted and the impurities taken out by heat, as we prepare lard, it is more like oil, and loses its peculiar aroma and its texture.

THE universal use of butter in this country is very much a matter of habit. In the time of Christ, and previous to that, butter was chiefly used as an ointment in the baths, and as a medicine, and in many warm latitudes now its use is very limited, and olive oil or some similar substance is used instead.

TO FATTEN an animal well a variety of food is requisite. Good beef may be made on grass alone, but a small amount of grain fed with the grass will not only make a more rapid growth, but will hasten the fattening when the animal is put in the stall. The addition of a few pounds of cornmeal a day makes better beef for fall shipment, giving more solidity to the flesh, so that there will be less shrinkage when it comes to the final test, the scales of the buyer. Grass is good for a basis, better than hay, but it needs the grain added to give it staying qualities.

THE perfection of beef is that which is called "well marbled," which means that the fat and lean are mingled. To reach this condition the animal must be mature, and must have been fed on food which had the material for forming flesh, fat, bone, and muscle, in proper proportions. This implies a variety of feeding substances. To feed an animal on corn alone would lay on fat, but it would be in large masses, and not enough intermingled with lean to make beef of the finest quality. Young and tender grasses, say from two to four inches high, contain a much larger proportion of muscle-forming substances than those that are older and nearer maturity, and if fat-forming substances, like corn or cotton-seed meal, are added, or fed at the same time, the conditions are favorable to the formation of fine beef.

ANY flavor that may be desired can be given to the flesh of cattle, sheep, pigs, or poultry. Acorns or beech-nuts, fish scraps, etc., fed to pigs will give the pork their oily flavor, unless the animals are put upon a corn or other grain diet a few weeks before slaughter. Feed chickens on chopped onions for some time, and not only the flesh but the eggs will have the onion flavor. Feed them upon chopped truffles and they will give their flesh a finer flavor than stuffing or larding them with truffles in cooking. Water-fowls that feed on fish have the fish flavor. Wild deer living on the wild aromatic plants and shrubs that abound in the forests, yield a peculiarly flavored flesh known as venison, but domesticate the wild deer and feed him on the cultivated grasses, and his flesh loses its venison flavor in the second generation. It is clear, therefore, that the food of animals permeates the whole system and gives the quality to the flesh.

If we look out to save all the wastes of the farm, compost them, and use them as plant food, we shall not need to buy commercial fertilizers to such an extent as some of us do. There is many a leak that can be stopped on most farms, and stopping the leaks is the way to make the farm pay.

ACCURATE analyses of cotton-seed meal, recently made at the Experiment Station of Connecticut, show that its average estimated value exceeds its cost by twenty-four per cent. It would seem, therefore, to be good economy to buy and feed it to our stock. Fed in reasonable quantities it is perfectly safe, while it imparts a higher value to the manure than any other feeding substance. It goes well mixed with cornmeal or shorts, half and half.

WHEN a young fruit tree grows too fast, and is spending all its energy in forming foliage, the remedy is root-pruning. This cuts off a part of the sap, and the leaves losing a portion of their usual food, are not able to grow so fast, and the returning sap is used in forming fruit buds for the next year. Root-pruning is to be done in autumn and winter, and consists in laying bare a part of the roots, and cutting off a few of the principal ones a few feet from the trunk.

As a general rule it is best to let fruit trees in the open ground take their natural shape, and to prune no more than to take out all weak and crowded branches, and such as cannot get the sun. The best season to prune to promote growth is in the fall, soon after shedding the leaves, or very early in spring. The best season to promote fruitfulness is the last of June, or a fortnight before midsummer. Then the wounds heal over rapidly, and it is easy to judge of the shape and balance of the head while all the store of organizable matter is ready to enter the branches that are left.

THE fruit-growing of the future will assume about two distinct features, the one that of market orchards for sale and profit, the other amateur fruit gardens for personal satisfaction and family supply, without reference to profit. For the first the smallest number of the best-selling varieties, like the Baldwin and Rhode Island Greening apples, the Beurré Giffard, Bartlett, Seckel, and Beurré d'Anjou pears. For the second object a larger variety may be selected, according to taste. About nine-tenths of the apples shipped from this country to Europe are Baldwins, while the Roxbury Russet and the Rhode Island Greening are said to constitute the balance. The high-priced land near cities and large towns will do better for growing small fruits, while the hilly lands in country towns, of much lower cost, will do better and yield better apples. Their keeping qualities are better than those of apples grown in the sandy loams of low-lying localities.

THE silo men, or the feeders of ensilage, claim these advantages in its favor:—

1. Small space required to store a given amount of fodder.
2. Greater ease of cutting fodder when green and soft.
3. It avoids the risks of curing in stooks on the field.
4. The ease of harvesting corn in all weather, except rains.
5. The whole plant is consumed by cattle as green and succulent feed in winter.
6. Ten to twelve per cent. increased flow of milk.

THE PUBLIC DEBT, Sept. 1, 1883.

Debt bearing interest —	
At Five per ct. (<i>con'd at 3½%</i>)	\$21,404,550 00
At Three per ct.	305,529,000 00
At Four and one-half per ct.	250,000,000 00
At Four per ct.	737,610,550 00
Refunding Certificates . . .	334,850 00
Navy Pension Fund at 3 % . .	14,000,000 00
	<hr/>
	\$1,328,878,950 00
Debt on which int. has ceased since maturity . . .	\$6,583,165 26
Debt bearing no interest —	
Old Dem'd and Leg. Tender . .	\$346,739,891 00
Certificates of Deposit . . .	12,145,000 00
Gold and Silver Certificates . .	175,644,721 00
Frac.Cur'y (less am't estimat-	
ed as lost or destroyed.) . . .	6,997,796 31
	<hr/>
	\$541,527,408 31
	<hr/>
Total principal	\$1,876,989,523 57
Total accrued interest	11,033,227 74
	<hr/>
	\$1,888,022,751 31
Cash in the Treasury	\$351,503,966 22
	<hr/>
Total debt, less am't of cash in the Treasury, Sept. 1, '83,	\$1,536,518,765 09
Total debt, less am't of cash in the Treasury, Sept. 1, '82,	1,658,926,171 96
	<hr/>
Decrease the past year	\$122,407,406 87

TIDE TABLE.

The tides given in the Calendar pages are for the port of Boston. The following table contains the approximate difference between the time of High Water at Boston and several other places. The reader is warned that this table will not always give the exact time of the tide, as the difference varies from day to day. It is hoped, however, it will be near enough to be useful. The difference, if preceded by +, is to be added to, or if preceded by —, subtracted from, the time as given in the Calendar pages.

given in the calendar pages.					
<i>h. m.</i>		<i>h. m.</i>			
Baltimore, Md.	+ 7 30	New Bedford, Mass.	— 3 30	Portsmouth, N.H.	— 0 36
Bath, Me.	+ 0 44	Newburyport, Mass.	— 0 07	Salem, Mass.	— 0 16
Beaufort, N.C.	— 4 03	Newcastle, Del.	+ 0 29	Sandy Hook, N.Y.	— 3 58
Bridgeport, Conn.	— 0 18	New Haven, Conn.	— 0 13	Savannah, Ga., Dry Dock . . .	— 3 16
Cape Henry, Va.	— 3 34	New London Conn.	— 2 06	St. Augustine, Fla.	— 3 08
Cape May N.J.	— 3 10	Newport, R.I.	— 3 44	Stonington, Conn.	— 2 22
Charleston, S.C.	— 4 45	New Rochelle, N.Y.	— 0 07	Vineyard Haven, Mass.	+ 0 14
City Point, Va.	+ 3 08	New York, Gov. Island	— 3 22	Washington, D.C., Navy	
Cold Spring, N.J.	— 3 57	Norfolk, Va.	— 2 16	Yard	+ 8 41
Eastport, Me.	— 0 21	Philadelphia, Pa.	+ 2 15	West Point, N.Y.	— 0 27
Edgartown, Mass.	+ 0 47	Plymouth, Mass.	— 0 10	Wilmington, Del.	— 2 23
Key West, Fla.	— 1 39	Point Judith, R.I.	— 3 37	Wood's Holl north side	— 3 36
Nantucket, Mass.	+ 0 53	Portland, Me.	— 0 12	" " south side	— 2 53

CARRIAGE FARES IN BOSTON.

For one adult, from one place to another within the city proper (except as hereinafter provided), or from one place to another in East Boston, or from one place to another in South Boston, or from one place to another in Roxbury, **50 cents**. Each additional adult, **50 cents**.

For one adult, from any place in the city proper, south of Dover Street and west of Berkeley Street, to any place north of State, Court, and Cambridge Streets, or from any place north of State, Court, and Cambridge Streets, to any place south of Dover Street and west of Berkeley Street, **One Dollar**. For two or more passengers, **50 cents** each.

Children under four years with an adult, **no charge**.

Children between four and twelve years old, with an adult, **half-price**.

From twelve at night to six in the morning, the fare is **50 cents above the preceding rates** for each passenger.

No charge for one trunk; each additional trunk, **25 cents**.

By the Carriages of the Herdic Phaeton Co., and by any of the one-horse cabs, you can ride for **25 cents** for ordinary trips.

POETRY, ANECDOTES, ETC.

UNCOMMON COMMON SENSE.

The highest sense is common sense ;
 It minds the matter held in hand,
 While fancy, plumed in gay pretense,
 Is making ready to commence,
 Its plough has furrowed half the land.
 Toil that no tasks defer,
 Gives light and life to sense.
 Genius is thought astir,
 At work with force intense.

It rises with the rising sun,
 And broadcast sows the golden seed ;
 And much of its hard work is done
 Before the dreamer has begun
 To put his fine thoughts into deeds.
 The blossom on the thorn
 Delights it with its snow,
 The frescoed sky of morn
 Inspires it with its glow.

With sunbrowned hands it reaps the
 grain
 That ripened in the summer light,
 And loaded high the creaking wain,
 While folly loitered in the lane
 And toiled not when the fields were
 white.

The happy harvest home
 Is labor's jubilee ;
 So ding the flag from dome
 And spire and old roof tree.

It shrinks not from life's toil and care,
 Can sleep in peace on couch of straw ;
 It finds no fault with common fare,
 If it has wealth, it stoops to share
 The cup which has no wasting flaw.
 With care it stores away,
 In bin and box and crate,
 Goods for the rainy day,
 Should fortune yield to fate.
 GEORGE W. BUNGAY, in *N. Y. Ledger*.

READING.

In short, all things are so connected together that a man who knows one subject well, cannot, if he would, fail to have acquired much besides; and that man will not be likely to keep fewer pearls who has a string to put them on, than he who picks them up and throws them together without method. This, however, is a very poor metaphor to represent the matter; for what I would aim at producing, not merely holds together what is gained, but has vitality in itself, is always growing. And anybody will confirm this who, in his own case, has had any branch of study or human affairs to work upon; for he must have observed how all he meets seems to work in with, and assimilate itself to, his own peculiar subject. During his lonely walks, or in society, or in action, it seems as if this one pursuit were something almost independent of himself, always on the watch, and claiming its share in whatever is going on.

ARTHUR HELPS.

THE PRESSED GENTIAN.

The time of gifts has come again,
 And, on my northern window-pane,
 Outlined against the day's brief light,
 A Christmas token hangs in sight.
 The wayside travellers, as they pass,
 Mark the gray disk of clouded glass;
 And the dull blankness seems, per-
 chance,
 Folly to their wise ignorance.

They cannot from their outlook see
 The perfect grace it hath for me ;
 For there the flower, whose fringes
 through
 The frosty breath of autumn blew,
 Turns from without its face of bloom
 To the warm tropic of my room,
 As fair as when beside its brook
 The hue of bending skies it took.

So, from the trodden ways of earth,
 Seem some sweet souls who veil their
 worth,
 And offer to the careless glance
 The clouding gray of circumstance.
 They blossom best where hearth-fires
 burn,
 To loving eyes alone they turn
 The flowers of inward grace, that hide
 Their beauty from the world outside.

But deeper meanings come to me,
 My half-immortal flower, from thee !
 Man judges from a partial view,
 None ever yet his brother knew ;
 The Eternal Eye that sees the whole
 May better read the darkened soul,
 And find, to outward sense denied,
 The flower upon its inmost side !

J. G. WHITTIER.

POVERTY NOT A HINDRANCE
TO SUCCESS.

An easy and luxurious existence does not train men to effort or encounter with difficulty; nor does it awaken that consciousness of power which is so necessary for energetic and effective action in life. Indeed, so far from poverty being a misfortune, it may, by vigorous self-help, be converted even into a blessing; rousing a man to that struggle with the world in which, though some may purchase ease by degradation, the right-minded and true-hearted will find strength, confidence, and triumph.

SMILES.

SECRECY.

Your purpose told to others is your own
 No longer; with your will once set at
 large,
 Blind accident will sport. Who would
 command
 Mankind must hold them fast by swift
 surprise.
 Nay, more: even with the strongest will
 we fail
 To do great things, crossed by a thou-
 sand wills,
 With petty contradiction.

GOETHE.

SHE WALKS IN BEAUTY.

She walks in beauty, like the night
Of cloudless climes and starry skies.
And all that's best of dark and bright
Meets in her aspect and her eyes:
Thus mellowed to that tender light
Which heaven to gaudy day denies.

One shade the more, one ray the less,
Had half impaired the nameless grace
Which waves in every raven tress,
Or softly lightens o'er her face,
Where thoughts serenely sweet express
How pure, how dear, their dwelling-
place.

And on that cheek, and o'er that brow,
So soft, so calm, yet eloquent,
The smiles that win, the tints that glow,
But tell of days in goodness spent,—
A mind at peace with all below,
A heart whose love is innocent.

BYRON.

BURNS AND THE FARMER.

Robert Burns was once taken to task
by a young Edinburgh blood, with whom
he was walking, for recognizing an
honest farmer in the open street.
"Why, you fantastic gomerall," ex-
claimed Burns, "it was not the great-
coat, the scone bonnet, and the saun-
ders boot-hose that I spoke to, but *the*
man that was in them; and the man,
sir, for true worth, would weigh down
you and me, and ten more such, any
day."

SMILES.

SHELTER.

By the wide lake's margin I marked
her lie—
The wide, weird lake where the alders
sigh—
A young, fair thing, with a shy, soft eye;
And I deemed that her thoughts had
flown
To her home, and brethren, and sisters
dear,
As she lay there watching the dark,
deep mere,
All motionless, all alone.

Then I heard a noise, as of men and
boys,
And a boisterous troop drew nigh.
Whither now will retreat those fairy
feet?

Where hide till the storm pass by?
One glance—the wild glance of a hunted
thing—
She cast behind her, she gave one spring;
And there followed a splash and a
broadening ring,
On the lake where the alders sigh.

She had gone from the ken of ungentle
men!
Yet scarce did I moan for that;
For I knew she was safe in her own
home then,
And, the danger past, would appear
again,
For she was a water-rat.

C. T. CALVERLEY.

BLUNTNESS NOT HONESTY.

I do not think that it makes family
life any more sincere, or any more
honest, to have the members of a do-
mestic circle feel a freedom to blurt
out in each other's faces, without
thought or care, all the disagreeable
things that may occur to them: as, for
example, "How horribly you look this
morning! What's the matter with
you?" "Is there a pimple coming on
your nose? or what is that spot?"
"What made you buy such a dreadfully
unbecoming dress? It sets like a witch!
Who cut it?" "What makes you wear
that pair of old shoes?" Holloa, Bess!
is that your party rig? I should think
you were going out for a walking ad-
vertisement of a flower-store." Obser-
vations of this kind between husband
and wife, brothers and sisters, or inti-
mate friends, do not indicate sincerity,
but obtuseness; and the person who
remarks on the pimple on your nose is
in many cases just as apt to deceive you
as the most accomplished Frenchwoman
who avoids disagreeable topics in your
presence.

MRS. STOWE.

*CONSOLATION OF ONE WHO
DISBELIEVES.*

In the bitter waves of woe,
Beaten and tossed about
By the sullen winds that blow
From the desolate shores of doubt,
Where the anchors that faith has cast
Are dragging in the gale,
I am quietly holding fast
To the things that cannot fail.

I know that right is right,
That it is not good to lie;
That love is better than spite
And a neighbor than a spy;
I know that passion needs
The leash of a sober mind;
I know that generous deeds
Some sure reward shall find;

That the rulers must obey,
That the givers shall increase;
That duty lights the way
For the beautiful feet of peace;
In the darkest night of the year,
When the stars have all gone out,
That courage is better than fear,
That faith is better than doubt.

And fierce though the fiends may fight
And long though the angels hide,
I know that truth and right
Have the universe on their side;
And that somewhere beyond the stars
Is a love that is better than fate.
When the night unlocks her bars
I shall see him—and I will wait.

WASHINGTON GLADDEN.

PERVERSY.

An ill-starred devil is the man,
Who will not do the thing he can;
And what he can't, with blind ambition
Will do, and works his own perdition.

GOETHE.

DON'T WORRY ABOUT THE FUTURE.

Do not disturb thyself by thinking of the whole of thy life. Let not thy thoughts at once embrace all the various troubles which thou mayest expect to befall thee; but on every occasion ask thyself: "What is there in this which is intolerable and past bearing?" For thou wilt be ashamed to confess.

In the next place, remember that neither the future nor the past pains thee, but only the present. But this is reduced to a very little, if thou only circumscribest it, and chidest thy mind, if it is unable to hold out against even this.

MARCUS ANTONINUS.

WIT AND HUMOR.

JUMP IN.—A dandy, wishing to be witty, accosted an old rag-man as follows: "You take all sorts of old trumpery in your cart, don't you?" "Yes, jump in, jump in!"

TOO LONG TO WAIT.—"When are you going to make me that pair of new boots I ordered?" asked a fop of his shoemaker. "When you pay for the last pair I made for you." "Whew! I can't wait so long as that!"

THE HAT STORY.—It is time the hat story was set a-going again. It is quite simple and the answer plain, but in a company of half a dozen you will probably get three different answers and you may get four or five. This is the story:—A man came in to a hat store and bought a hat for seven dollars and a half. In payment he offered a fifty-dollar bill. The hatter, not having so much money by him, took it to a neighbor, got it changed, and gave his customer the balance due him, with which and with his hat he departed in good humor. Soon after in comes the hatter's neighbor with the fifty-dollar bill, which has proved to be a counterfeit, demanding good money for it. Finding no help for it, the hatter is obliged to pay this demand. The question is: What is the hatter's loss?

THE CARDINAL.—Cardinal Manning relates this incident. One night I met a poor man carrying a basket and smoking a pipe. I thought over this: He who smokes gets thirsty; he who is thirsty desires to drink; he who drinks too much gets drunk; he who gets drunk endangers his soul. This man is in danger of mortal sin. Let us save him. I affectionately addressed him:—

"Are you a Catholic?"

"I am, thanks be to God."

"Where are you from?"

"From Cork, your reverence."

"Are you a member of the total abstinence society?"

"No, your reverence."

"Now," said I, "that is very wrong."

Look at me; I am a member."

"Faith, may be your reverence has need of it."

I shook hands with him and left him.

ANSWERS TO CHARADES, ENIGMAS, ETC., IN LAST YEAR'S ALMANACK.

ANSWERS TO CHARADES.

1. Life-boat.
2. The letter E.
3. Fishermen.

ANSWERS TO ENIGMAS.

1. Match.
2. Lily.

ANSWERS TO CONUNDRUMS.

1. Because there are more of them.
2. S. X. (Essex).
3. Because its capital is always *doubting* (Dublin).
4. A cat out of a hole.
5. An icicle.

CHARADES.

1. My *first* is a name oft borne by my *second*;
And a noisy girl my *whole* is reckoned.
2. Safe on my fair one's arm my *first*
may rest,
And raise no tumult in a lover's breast
My *second* does the want of legs supply
To those that neither creep, nor walk,
nor fly;
My *whole* 's a rival to the fairest toast,
And when it's most admired it suffers
most.
3. I sent my *second* to my *first*, but many
a *whole* passed ere I saw him again.

ENIGMA.

Formed half beneath and half above
the earth,
We, sisters, owe to art a second birth;
The smiths' and carpenters' adopted
daughters,
Made on the earth to travel o'er the
waters;
Swifter we move, as tighter we are
bound,
Yet neither touch the water, air, nor
ground;
We serve the poor for use, the rich for
whim,
Sink when it rains, and when it
freezes swim.

PROVERB.

(Each line contains one word of a well-known proverb.)
Faint not should sorrow thee assail;
Your heart keep always right;
In danger never quake nor quail,
Strive till you've won the fight;
And fair let all your dealings be,
Show to a lady courtesy.

CONUNDRUMS.

1. How many sticks go to the building
of a crow's nest?
2. Why is the letter N like a hot summer day?
3. Why is a baker a most improvident man?
4. What is that which occurs once in a minute, twice in a moment, and not once in a thousand years?

THE FARMER'S KITCHEN.

THE outside covering of a kernel of wheat, rye, barley, or corn is harder than the rest, so that it is not entirely crushed in the process of grinding. This is usually sifted out from the finer portions, and forms the bran, often called shorts or middlings. Now, as the oily or fatty parts of grain lie mostly near the surface, the bran often contains more nutritious properties than the flour itself. The less finely flour is bolted the more wholesome it is, though custom and taste, or fashion, lead us to select the finest and whitest samples.

A HUNDRED pounds of wheat flour ordinarily contain from fifty-five to sixty-eight pounds of starch, from ten to twenty pounds of gluten, and from one to five pounds of oily matters, the relative quantities varying according to the climate and soil in which the grain is grown. The proportion of gluten in wheat is largest in that grown in quite warm latitudes. Thus, Maryland or Virginia wheat usually contains more gluten than that of Michigan or Minnesota.

AN experiment was carefully tried, taking two pounds of Cincinnati and two pounds of Alabama flour, each being mixed with a quarter of a pound of yeast, made into a loaf, and both baked in the same oven, when the loaf made from the first was found to weigh three pounds, and that from the second three and a half, a difference of about fifteen per cent. in favor of the Southern, a more glutinous flour.

THE more gluten any variety of flour contains the more water it will hold; for when wet the gluten does not readily dry up, but forms a close coating around the little cells formed in rising when yeast is added, and this allows neither the gas enclosed in them nor the water to dry up and escape, so that both are retained.

THE larger amount of gluten in some varieties of flour not only increases its nutritive value, but its economic value also. It gives it a greater power of holding the carbonic acid gas produced in the fermentation, to which is owing the spongy lightness always characteristic of good bread, while it absorbs and holds more water, so that its weight is greater.

WHEN sufficient water is mixed in to moisten the whole mass of flour, the particles stick to each other and form a smooth and elastic dough, which consists of gluten, so called from its sticky or glutinous quality, and starch. Now, if we add a little yeast, while mixing the flour with water to form dough, the dough begins to ferment and to rise. The bulk is greatly increased, innumerable little bubbles of carbonic acid gas being set free throughout the mass, and making it porous and light by stretching or expanding the tenacious gluten.

RYE flour is of very nearly the same composition as that of wheat, but its color is grayish-brown rather than white, while the bread made of it is not so porous, nor is the dough so tough. It is easily kept fresh and moist much longer than that made of wheat flour.

IN making soups, broths, beef tea, etc., the object is just the reverse of that in ordinary cooking; that is, to extract the juices, and for this purpose the meats of which they are formed are put into cold water and simmered over a slow fire, or gradually and quickly brought to a boil. Soft water is best, and has a greater solvent power than hard, but in ordinary cooking, where we wish to preserve the juices, and prevent their escape, hard water is better.

Of every four pounds, beef loses about one pound in boiling, one pound and three ounces in roasting, and one pound and five ounces in baking. Mutton, of the same weight, loses fourteen ounces in boiling, a pound and four ounces in roasting, and a pound and six ounces in baking.

THE chief loss in cooking meats is the evaporation of water, and the fat which melts out in roasting or baking. The amount of water, including blood mixed with it, in fresh lean beef, is about seventy-eight per cent., and is what constitutes what is called the juice. If it were all extracted the meat would become a tasteless mass. The aim in cooking meats ought to be to preserve the rich juices as far as possible, by subjecting them to great heat when first put over the fire. This suddenly contracts the fibres at the surface, and prevents the escape of the juices, so that the meat is partially cooked in its own moisture.

WHEN oily or fatty substances come in contact with an alkali in solution, at a high temperature, they undergo an entire change, and the whole process of soap-making depends on this change. The soap made at the farm-house is that known as soft soap, formed by the union of potash with fatty matter. Hard soaps are made chiefly by the use of soda, though potash is sometimes mixed with it.

SOFT soap holds a considerable quantity of water, and potash will not harden in water; while soda soaps will absorb more than their own weight of water without losing their consistency.

SOFT fats are used in the manufacture of soft soaps, while hard soaps are often made from tallow. In making castile soap olive oil, cotton-seed oil, or soda are used, and the peculiar marbled appearance is obtained by a mixture of iron rust. Rosin is often added in making the common yellow soaps. Such soaps dissolve or form lather so readily that they are commonly thought to be the most effective, but their cleansing properties are inferior to those of the soda soaps, and hence they are less economical.

WASHING fluids are simple solutions of caustic alkali. If alkali were used alone it would injure or destroy what it came in contact with, but the cleansing properties of soap depend chiefly upon its alkaline ingredients.

BUTTER is a compound of several oils or fats, the principal of which are palmitin and a small amount of stearin. These two constitute about sixty-eight per cent., with two or three per cent. of fragrant oils, like butylin, caprone, and caprylin, to which it owes its odor and peculiar flavor. The balance consists largely of water, sixteen or eighteen per cent., with one or two per cent. of salt, and some casein, which is separated with difficulty. The casein is liable to cause fermentation in a high temperature, and thus lead to rancidity.

THE Massachusetts Experiment Station is now fully organized, with Professor Charles A. Goessmann, of Amherst, as Director. It is located on the farm of the Massachusetts Agricultural College. It is, of course, too soon to expect tangible and practical results from the enterprise, but the farming community may reasonably look forward to the most important and valuable aid to be derived from it in the future. We shall have experiments accurately tried and faithfully reported, and that will supply a great want which has long been felt.

TO SELECT SUPPLIES.

It requires some knowledge and skill to select meats, poultry, fish, and groceries. Steer or heifer beef, properly fattened, is the best. It ought to be firm in texture, and have a fine grain, with a yellowish-white fat. When fresh cut it will be of a dark red color, but on a few moments' exposure to the air will change to a bright red. It must have a juicy appearance. Older beef will seem coarser in texture, be darker in color, and less juicy.

THE best mutton is quite fat, the fat parts white and hard, while the lean will be juicy and rather dark red in color. If there is little fat, and that soft and yellow, with meat coarse and flabby, it is sure to be of poor quality. Beef and mutton are improved by keeping, the time depending on temperature. Beef two or three weeks, and mutton a week old or more, is much better, if well kept, than any freshly butchered. Lamb is more juicy than mutton, and so will not keep so long. You can soon learn to judge the age of lamb by the size of the bone, which ought to be of a reddish color.

Good veal has flesh of a pinkish color, with the fat white and firm. Never buy veal of soft flesh with a bluish tinge. It shows that the calf was killed too young, when the bones also are soft and cartilaginous. If the meat looks white it shows that the animal was bled before being killed, and that is not only a barbarous practice, but it injures the quality of the flesh.

It is not every fat fowl that will make a fine tender roast. It is rather late to have to judge whether a bird is tough or tender after it comes upon the table. Many a "spring chicken" turns out to be a tough old hen. The lower end of the breast-bone of a chicken is soft, and can be bent very easily. In old birds it is much less flexible. If the spurs on a fowl are hard, and the scales on the legs rough, you may be sure it is no chicken. But the head gives the best mark of age. If the under bill is stiff and hard, and cannot be easily bent down, and the comb thick and rough, the bird is sure to be old and tough, no matter how fat it may be.

To select a turkey, see that the lower end of the breast-bone is soft and easily bent. An old turkey has rough scales on the legs, long, strong claws, and callous soles on the feet. A young one is just the reverse. The best test of the age of a goose is the brittleness of the windpipe. If it breaks easily under the pressure of the finger and thumb the bird is young. If it rolls and does not break, the bird is old and tough.

THE eyes of a fish that is fresh are full and bright, the gills of a natural red color, the scales bright, the fins stiff, and the body firm. Don't buy a fish that has dim, sunken eyes, dark-colored gills, or that is soft in flesh. No animal food becomes tainted and loses quality so quickly as fish.

GRANULATED sugar is the most economical. A pound of it, being dry, contains proportionately more sweetness than that which is heavy or damp. Don't get sugar of a bluish tinge. Black tea is usually less adulterated with poisonous substances than green. The way to buy coffee is in the berry.

FOR bread select flour made by the new or Haxall process. For cake or pastry take that made by the old or St. Louis method. It is best to keep both kinds on hand, and the best flour is always the cheapest.

**Annual Product of Cereals in the United States for the Ten Years
from 1872 to 1881, inclusive,—from the Statistical Abstract,
prepared by the United States Bureau of Statistics.**

Year.	Corn. Bushels (56 lbs.)	Wheat. Bushels (60 lbs.)	Rye. Bushels (56 lbs.)	Oats. Bushels (32 lbs.)	Barley. Bushels (48 lbs.)	Buckwheat. Bushels (48 lbs.)
1872	1,092,719,000	249,997,100	14,888,600	271,747,000	26,846,400	8,133,500
1873	932,274,000	281,254,700	15,142,000	270,340,000	32,044,491	7,837,700
1874	850,148,500	309,102,700	14,990,900	240,369,000	32,552,500	8,016,600
1875	1,321,069,000	292,136,000	17,722,100	354,317,500	36,908,600	10,082,100
1876	1,283,827,500	289,356,500	20,374,800	320,884,000	38,710,500	9,668,800
1877	1,342,558,000	364,194,146	21,170,100	406,394,000	34,441,400	10,177,000
1878	1,388,218,750	420,122,400	25,842,790	413,578,560	42,245,630	12,246,820
1879	1,547,901,790	448,756,630	23,639,460	363,761,320	40,283,100	13,140,000
1880	1,717,434,543	498,549,868	24,540,829	417,885,380	45,165,346	14,617,535
1881	1,194,916,000	383,280,090	20,704,950	416,481,000	41,161,330	9,486,200
Total.	12,671,067,083	3,536,750,134	199,016,529	3,475,757,760	370,359,297	103,406,255
Annual } Average }	1,267,106,708	353,675,013	19,901,653	347,575,776	37,035,930	10,340,625

**Estimated Annual Product, Acreage, and Value of the Hay Crop
of the United States, from 1872 to 1881, inclusive.**

Year.	Tons.	Acres.	Value Dollars.	Value per ton Dollars.	Yield per acre Tons.	Value per acre Dollars.
1872	23,812,800	20,318,936	345,969,079	14.52	1.17	17.03
1873	25,085,100	21,894,084	339,895,486	13.55	1.14	15.52
1874	24,133,900	21,769,772	331,420,738	13.73	1.11	15.22
1875	27,873,600	23,507,964	342,203,445	12.27	1.18	14.56
1876	30,867,400	25,282,797	300,901,252	9.74	1.22	11.90
1877	31,629,300	25,367,708	271,934,950	8.59	1.24	10.72
1878	39,608,296	26,331,300	285,543,752	7.21	1.47	10.60
1879	35,493,000	27,484,961	330,804,494	9.32	1.29	12.04
1880	31,925,233	25,863,953	371,811,084	11.65	1.23	14.38
1881	35,135,064	30,888,700	415,131,366	11.82	1.14	13.43
Total.	305,563,693	249,310,207	3,335,615,646			
Annual } Average }	30,556,369	24,931,021	333,561,565	10.92	1.23	13.38

**Estimated Annual Product, Acreage, and Value of the Potato Crop
of the United States, from 1872 to 1881, inclusive.**

Year.	Bushels.	Acres.	Value Dollars.	Value per bush. Cents.	Yield per acre Bush.	Value per acre Dollars.
1872	113,516,000	1,331,331	68,081,120	59.9	85.2	51.14
1873	106,089,000	1,295,139	74,774,890	70.5	81.9	54.74
1874	105,981,000	1,310,041	71,823,330	67.7	80.9	54.83
1875	166,877,000	1,510,041	65,019,420	38.9	110.5	43.06
1876	124,827,000	1,741,983	83,861,390	67.2	71.6	48.14
1877	170,092,000	1,792,287	76,249,500	44.8	94.9	42.54
1878	124,126,650	1,776,000	73,059,125	58.9	69.9	41.14
1879	181,626,400	1,836,800	79,153,673	43.6	98.9	43.09
1880	167,659,570	1,842,510	81,062,214	48.3	91.0	44.00
1881	109,145,494	2,041,670	99,291,341	90.9	53.5	48.63
Total.	1,369,940,114	16,477,802	772,376,003			
Annual } Average }	136,994,011	1,647,780	77,237,600	56.4	83.1	46.87

POST-OFFICE REGULATIONS.

(Prepared Sept., 1883, at the Post Office, Boston.)

DOMESTIC.

NOTE.—All kinds of mail matter (except regular publications sent to subscribers), must be at least partially prepaid by means of postage stamps.

FIRST CLASS MATTER.

LETTERS AND POSTAL CARDS in the U. S.

- Forwarded Letters.**—(To be sent beyond the office where deposited.) Letters and written matter, also all articles sealed, For each half ounce or fraction thereof, no limit to the weight02
Must be prepaid at least one rate.
- Drop or Local Letters.**—(To be sent within the delivery of the office where deposited.) At offices where free delivery by carrier is established, for each half ounce or fraction02
At other offices, for each half ounce or fraction01
- Registered Letters.**—The fee for registered letters (in addition to the regular postage, which must be fully prepaid), is per letter10
- Postal Cards,** with no writing on the face but the address, each01

SECOND CLASS MATTER.

NEWSPAPERS, MAGAZINES, &c., in the U. S.

- All newspapers and other publications, one copy to each actual subscriber residing within the county where they are printed and published, wholly or in part, except those deliverable at letter-carrier offices free.
- Newspapers and periodical publications, not designed primarily for advertising purposes, mailed from a known office of publication or news agency, addressed to regular subscribers or news agents, issued as frequently as four times a year, for each pound, or fraction thereof02

THIRD CLASS MATTER.

MISCELLANEOUS PRINTED MATTER in the U. S.

- Pamphlets,** occasional publications, transient newspapers, proof-sheets or corrected proofs, and manuscript copy accompanying the same, and all matter wholly in print not issued regularly, and not exceeding four pounds in weight, for each two ounces, or fraction01
- Books** (printed or blank).—For each two ounces, or fraction, not over four pounds in weight (single volumes may be over)01
Fee for registration, in addition to the postage, for each package10

FOURTH CLASS MATTER.

MERCHANDISE in the U. S.

- Merchandise.**—Samples of metals, ores, minerals, or merchandise, paintings in oil or water, crayon drawings, printed envelopes, bill-heads, letter-heads, blank cards, and albums; also seeds, cuttings, bulbs, roots, and scions, and also any articles not belonging to the other classes of mail matter, and in nature or form not liable to damage the mails, or injure any person, not exceeding four pounds in weight, for each ounce, or fraction thereof01
Fee for registration, in addition to the postage, for each package10

UNITED STATES MONEY ORDERS.

Money Orders, for any amount not over \$300, and not exceeding \$100 on one order, are issued in the principal offices, on payment of the following fees:—

For orders not exceeding \$10 . . . . .	.08	Over \$40, and not exceeding \$50 . . . . .	.25
Over \$10, and not exceeding \$15 . . . . .	.10	Over \$50, and not exceeding \$60 . . . . .	.30
Over \$15, and not exceeding \$30 . . . . .	.15	Over \$60, and not exceeding \$70 . . . . .	.35
Over \$30, and not exceeding \$40 . . . . .	.20	Over \$70, and not exceeding \$80 . . . . .	.40
Over \$40, and not exceeding \$100 . . . . .	.45		

UNITED STATES POSTAL NOTES.

Postal Notes may be obtained in any office that issues money orders, for sums of any amount, from 1ct. to \$4.99, inclusive, upon payment of a fee of 3cts. in addition to the amount of the note; they are made payable to the bearer in any money-order office in the U. S., named on their face, which the sender may designate, or in the office where procured, at any time within 3 months from the last day of the month of issue.

FOREIGN.

Universal Postal Union.

The rates for the under mentioned countries and places which belong to the Postal Union are as follows:—

Prepayment optional, except for registered articles, but on printed matter and samples postage must be at least partially prepaid.

LETTERS.—5 cents per 15 grammes, a weight very slightly over one half ounce.

POST CARDS.—2 cents each.

PRINTED MATTER.—1 cent for each two ounces or fraction. Limit of weight, 4 lbs. 6 oz.

COMMERCIAL PAPERS (Insurance Documents, Way Bills, Invoices, Papers of Legal Procedure, Manuscripts of Works, &c.)—The same as for printed matter, but the lowest charge is 5 cents.

SAMPLES OF MERCHANDISE.—The same as for printed matter, but the lowest charge is 2 cents. Limit of weight 8½ oz., except to France, Belgium, Great Britain, Ireland, and Switzerland, to which countries the limit is 12 oz.

Algeria.	Falkland Isl.	Mauritius.	Shanghai.
Amoy.	Foochow.	Mexico.	Singapore.
Argentine Rep.	France.	Miquelon.	Spain.
Aspinwall.	German Emp.	Mozambique.	St. Croix.
Austria.	Greece.	New Caledonia.	St. John.
Azore Islands.	Greenland.	Newfoundland.	St. Kitts.
Bahamas.	Guadeloupe.	New So. Wales.	St. Marie de
Barbadoes.	Guatemala.	New Zealand.	Madagascar.
Belgium.	Haiti.	Nicaragua.	St. Thomas.
Bermudas.	Holland.	Norway.	St. Vincent.
Borneo.	Honduras.	Panama.	Sumatra.
Brazil.	Hong Kong.	Paraguay.	Surinam.
British W. Afr.	Iceland.	Persia.	Swatow.
Canary Islands.	India.	Porto Rico.	Sweden.
Canton.	Ireland.	Portugal.	Switzerland.
Cape De Verdes.	Italy.	Philippine Isl.	Tahiti.
Cayenne.	Jamaica.	Queensland.	Tamatave.
Ceylon.	Japan.	Reunion.	Tangier.
Chili.	Java.	Russia.	Tobago.
Cuba.	Labuan.	Saigon.	Tortola.
Curacao.	Lagos.	Salvador.	Trinidad.
Demerara.	Liberia.	San Domingo.	Turkish Emp.
Denmark.	Macassar.	Sandwich Isl.	Turk's Island.
Dominica.	Madras.	Scotland.	Uruguay.
Ecuador.	Malacca.	Senegal.	Venezuela.
England.	Malta.	Seychelles.	Victoria.
Egypt.	Martinique.		Wales.

To Canada, comprising *British Columbia, Manitoba, New Brunswick, Nova Scotia, and Prince Edward Island*, the postage for letters is 2 cents per half ounce or fraction, post-cards 1 cent each, transient printed matter 1 cent for 2 ounces or fraction, and samples, ten cents for a weight limited to 8 ounces. Printed matter sent to regular subscribers, same as in the U. S. All matter for Canada must be fully prepaid, except letters, which must be prepaid at least 2 cents.

Merchandise is not allowed in the mails to Canada.

All mail matter may be registered to the above places upon prepayment of 10 cents for each address, besides the postage.

Places not comprised in the Postal Union.

(Prepayment required where a star (*) is not prefixed.)

Africa (South), Cape of Good Hope.	Patagonia	27c
Orange Free State, Transvaal, etc.*15c	St. Helena	*27c
Bolivia	Siam , via San Francisco	10c
Fiji and Navigator's Islands , 5c	Tasmania , or Van Dieman's Land, 5c	
Madagascar (except St. Mary's and Tamatave)	Zanzibar	5c

FOREIGN MONEY ORDERS.

Money Orders are issued as follows:—

To Great Britain and Ireland, for orders not exceeding \$10	25
For orders from \$10 to \$20	50
For orders from \$20 to \$30	70
To France and Algeria, Switzerland, Germany, Italy, Canada, and Newfoundland, New South Wales, Victoria, New Zealand, and Jamaica, for every \$10 or fraction of \$10	15
For orders from \$30 to \$40	85
For orders from \$40 to \$50	1.00

HINTS FOR THE HOUSEHOLD.

CARE OF CONVALESCENTS. — With convalescence come manifold dangers that must be guarded against with jealous care. A single act of imprudence then may render unavailing all the watchful anxiety of the previous weeks.

An invalid is peculiarly liable to take cold when first allowed to sit up. The room should be slightly warmer than usual, the chair or couch on which he is to sit, covered with a blanket, and he himself well wrapped in blankets and shawls. If possible, close-fitting flannels should be worn, and the feet must be covered with stockings. He should not be allowed to remain too long out of bed the first time, and it is well to have it warmed before he returns to it. No visitors should be admitted, and all excitement must be avoided until he has had time to rest after the exertion.

The room of a convalescent should be made to look as bright and cheery as possible. Trifling changes may be made in the arrangement of the furniture; a new picture, or one from another part of the house, may be hung where it can easily be seen by the invalid.

Illustrated papers or new books placed on the table, a few cut flowers, and one or two plants in bloom do much to brighten a room.

After typhoid fever, and diphtheria it should be borne in mind that great danger to life exists for several weeks. The diet should be most carefully regulated, and no exertion whatever permitted. In the latter disease, in scarlet fever, and measles, cold is especially to be guarded against.

After measles, the eyes should not be used too soon for reading, writing, or sewing, else permanent injury to the sight may be the result. — *Miss E. R. Scovil, in Christian Union.*

TO CHECK NOSE-BLEED, ETC. — Bleeding from the nose may be stopped by lying flat on the back, with the head raised, and the hands held above it. The nose must be covered with a cloth filled with pounded ice, or wrung out of ice-water. The head should never be held over a basin, as the position encourages bleeding. The blood may be received in a wet sponge.

In a severe cut on the finger, when the flow of blood renders dressing it a matter of difficulty, it may be checked by tying a string tightly around the base of the finger. It must then be washed in cold water, and the cut can be dressed at leisure with diachylon or court-plaster, and the string removed. — *Miss E. R. Scovil, in Christian Union.*

TABLE MANNERS. — Insist that the children shall make themselves tidy before coming to the table, whatever may be the meal, even if they will meet nobody except yourself there. Teach them early that it is a disgrace to themselves, and to you, to eat with unclean hands and faces. Inculcate further the propriety of introducing, while at table, topics that will interest and please all. Let wrangling, fault-finding, and recrimination be never so much as named among them. These are little things, but whatever detracts from the idea that the family repast is a tri-daily festival, and should be honored and enjoyed as such, is a wrong to those whose happiness it is your mission to guard and maintain. A wrong to health as to heart. Food swallowed in bitterness of spirit engenders dyspepsia and bile as surely as do acrid fruit and heavy bread. A sharp reprimand will take away sensitive Mamie's appetite, and a frown between the eyes that, when serene, seem to John to mirror heaven itself, will beget in his bosom that indescribable sinking of heart we know as "goneness," which is yet not physical faintness. — *Marion Harland.*

